Program EVALPLOT
(Version 2021-1)
by
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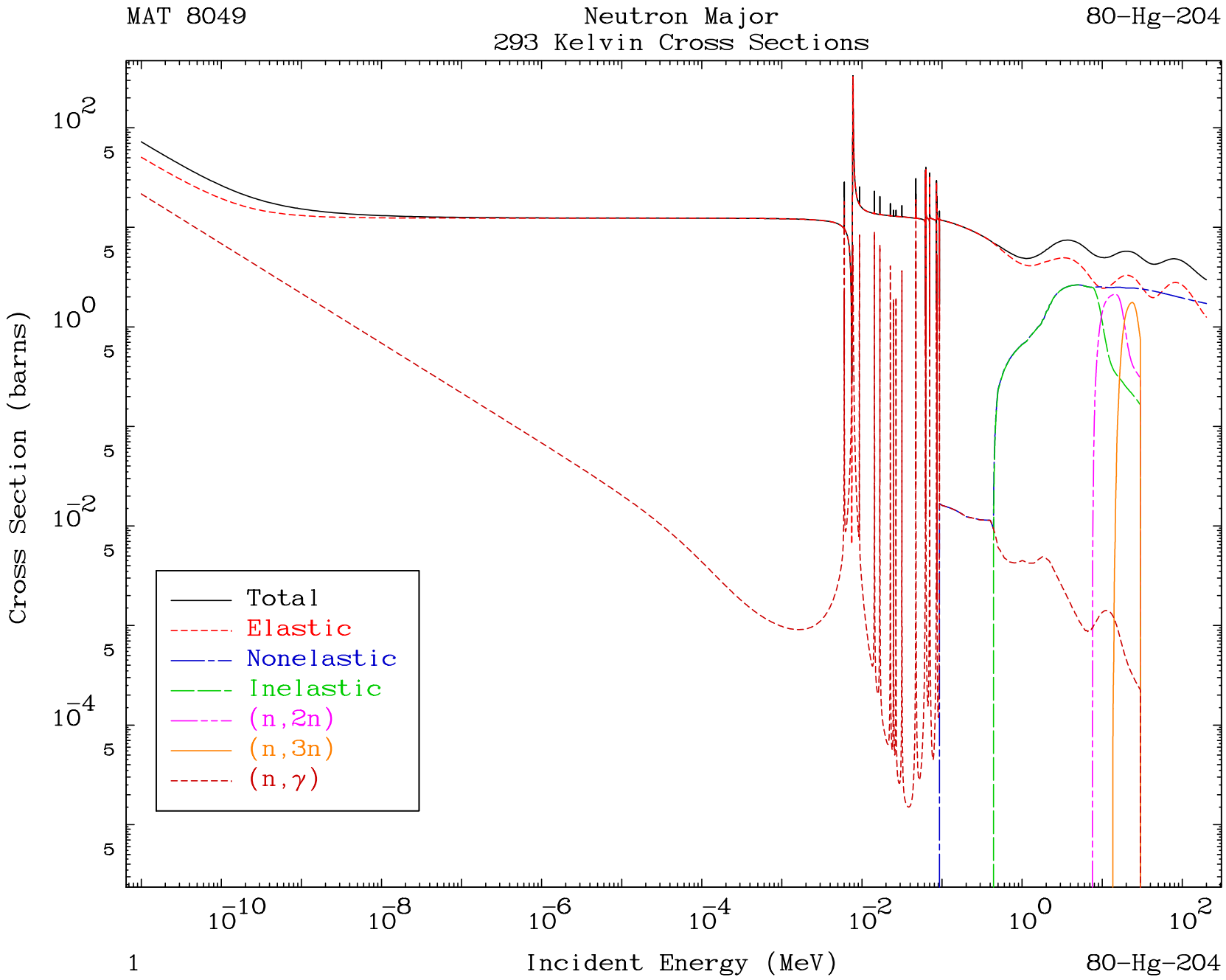
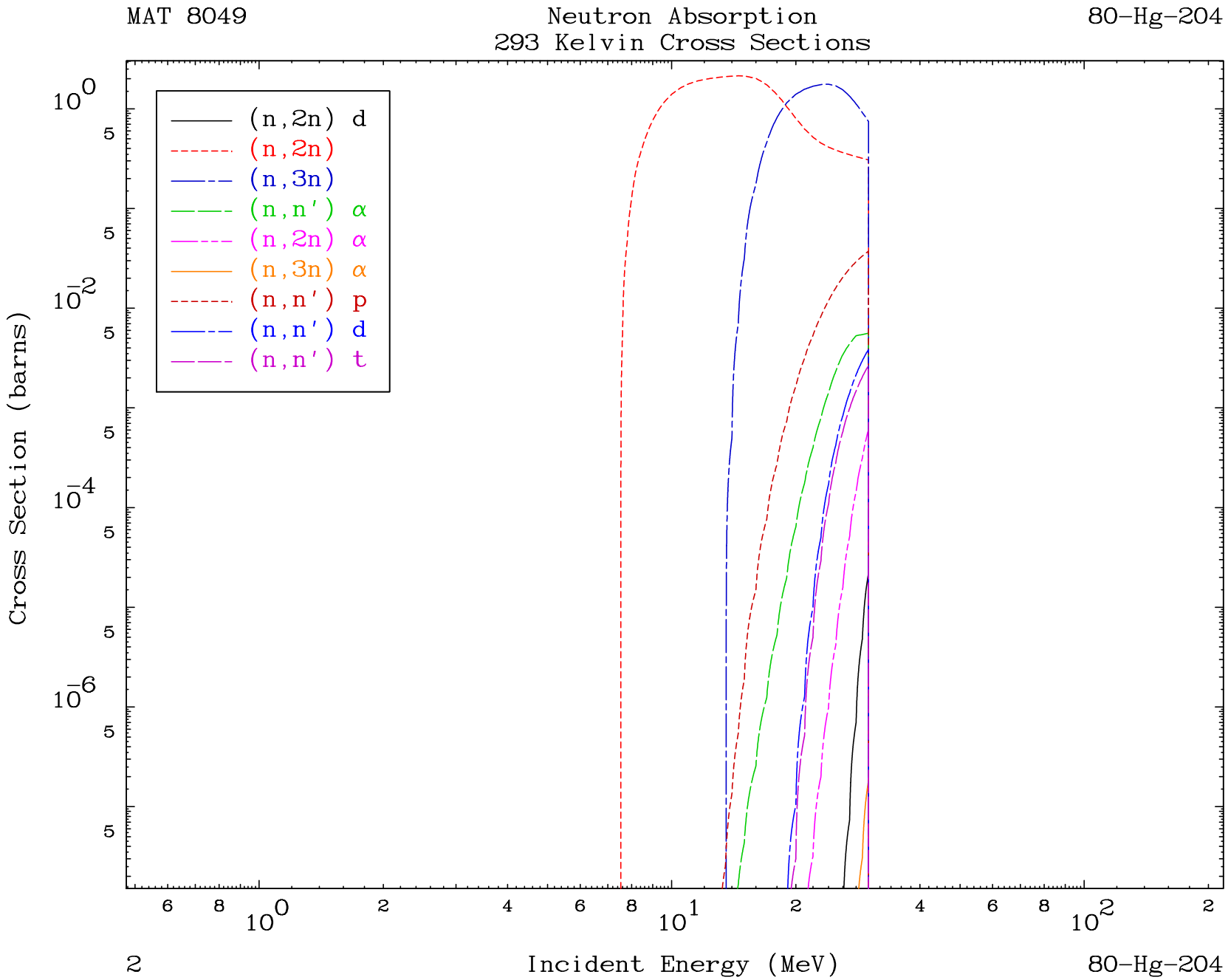
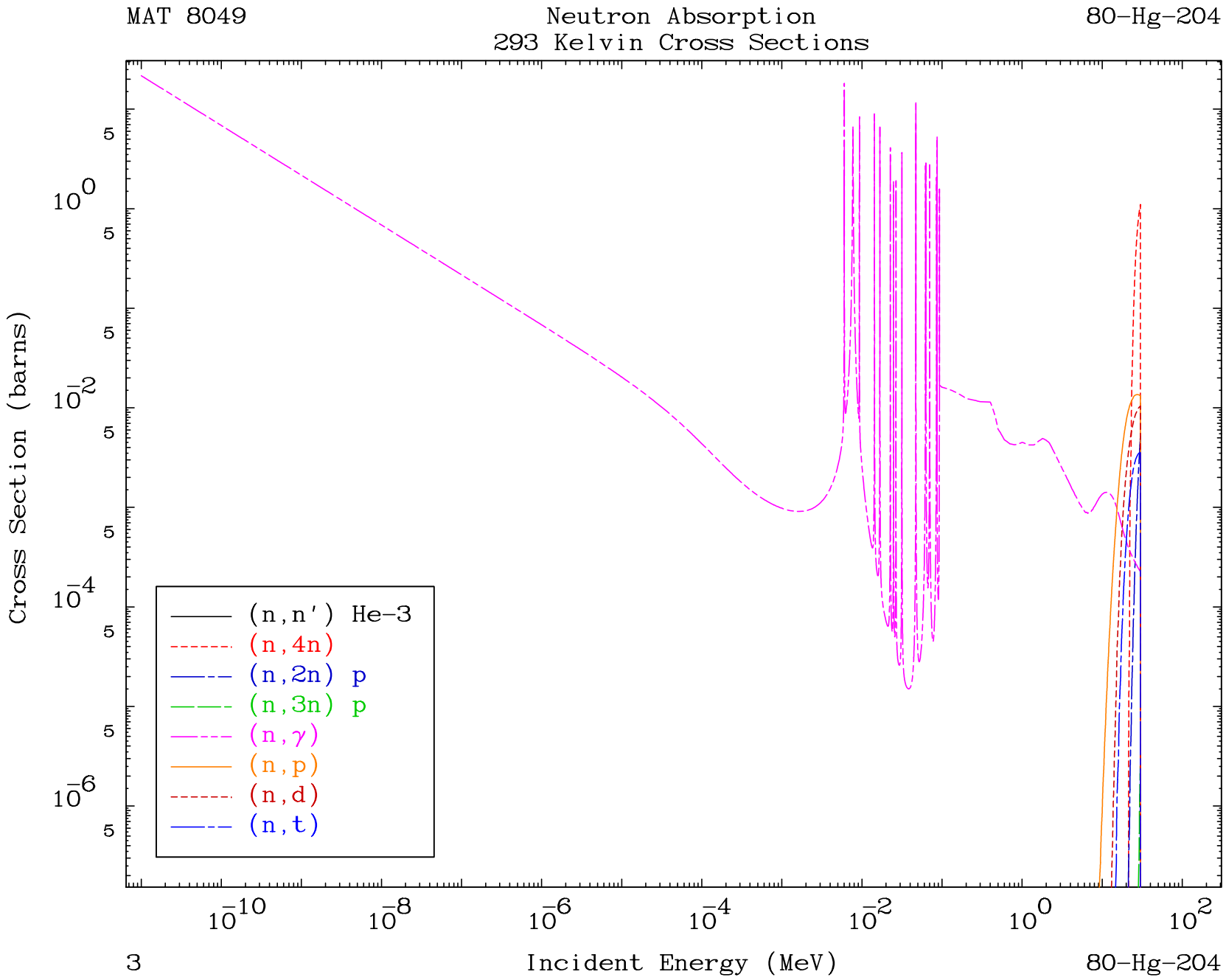
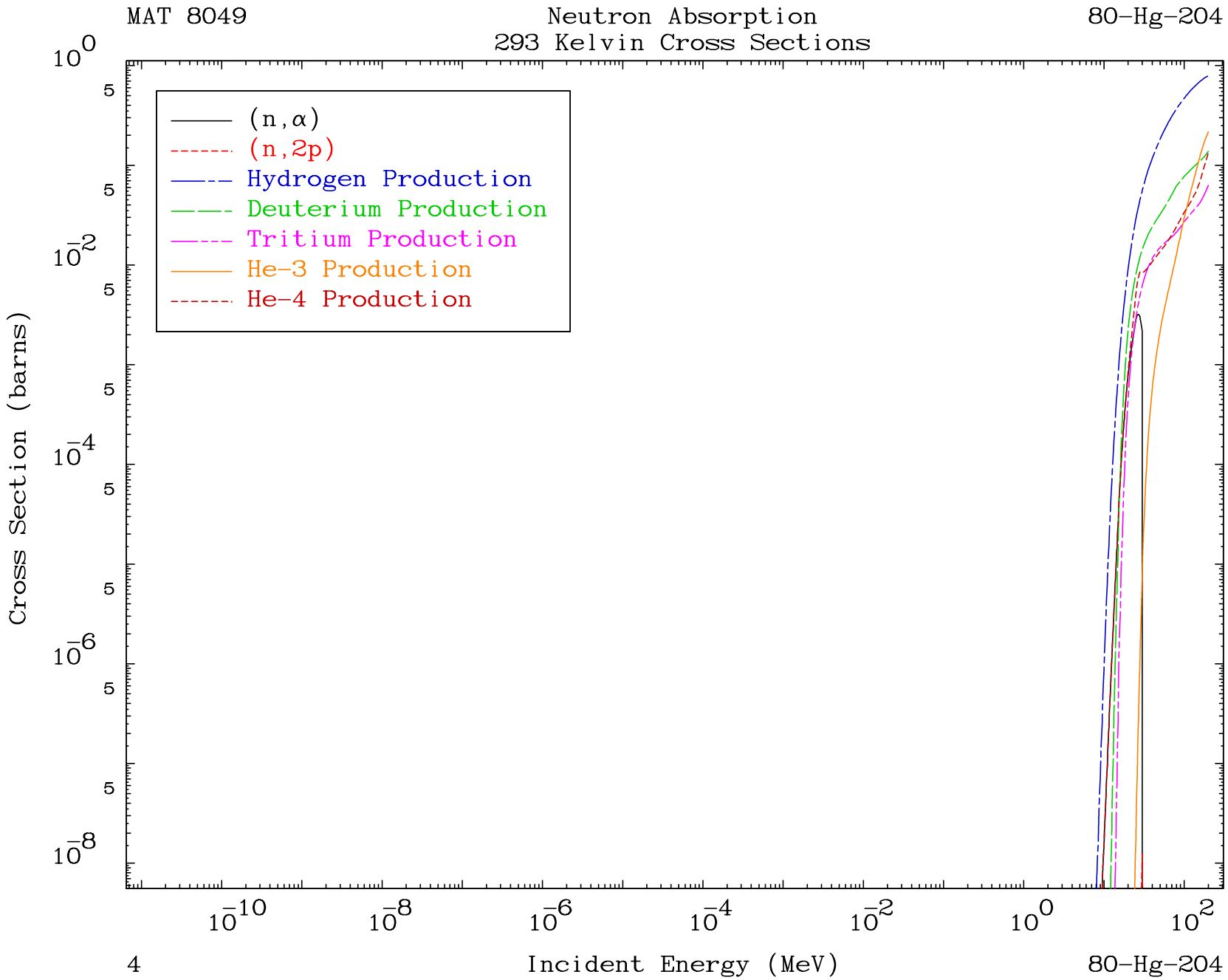
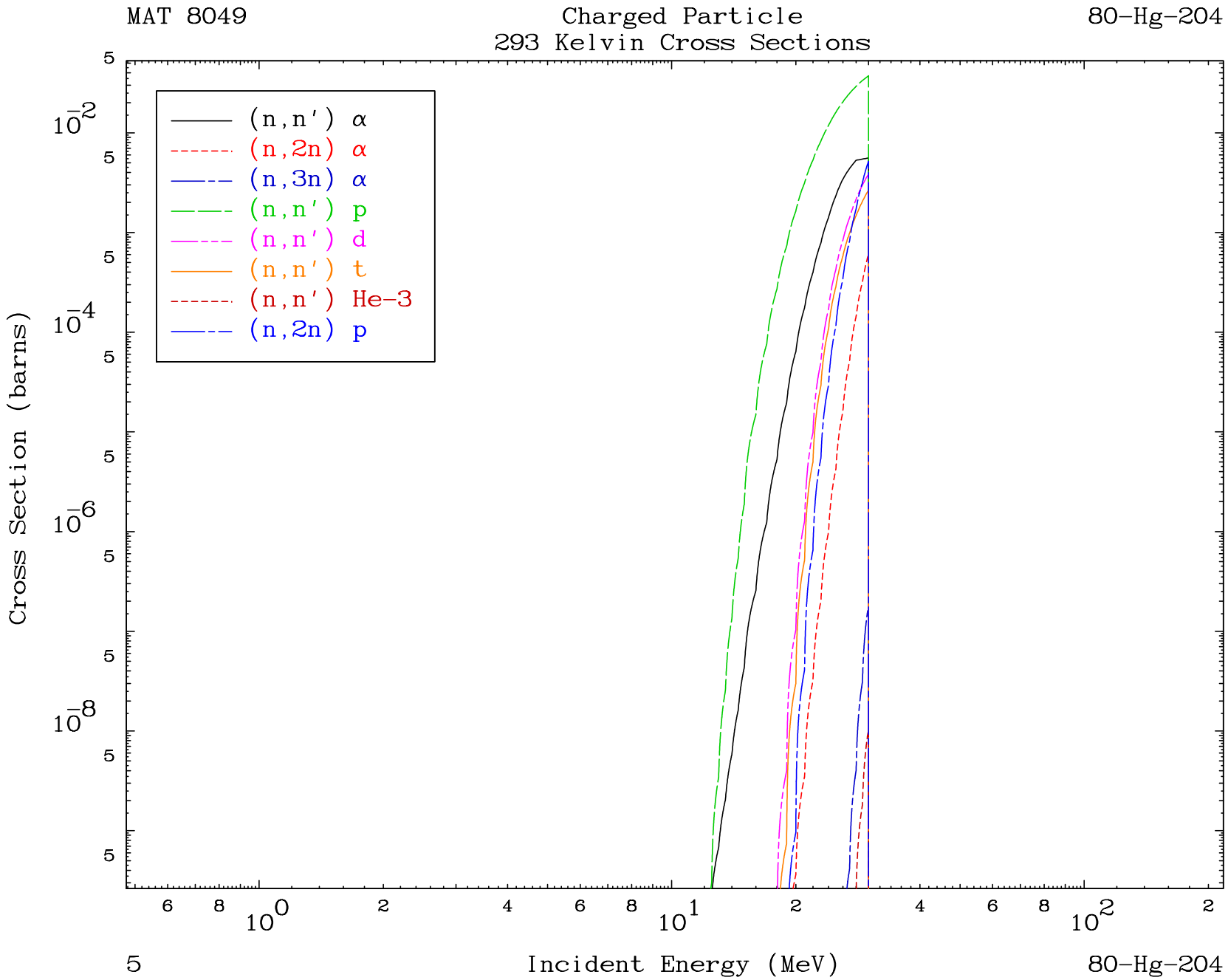
Press Mouse Button to Start

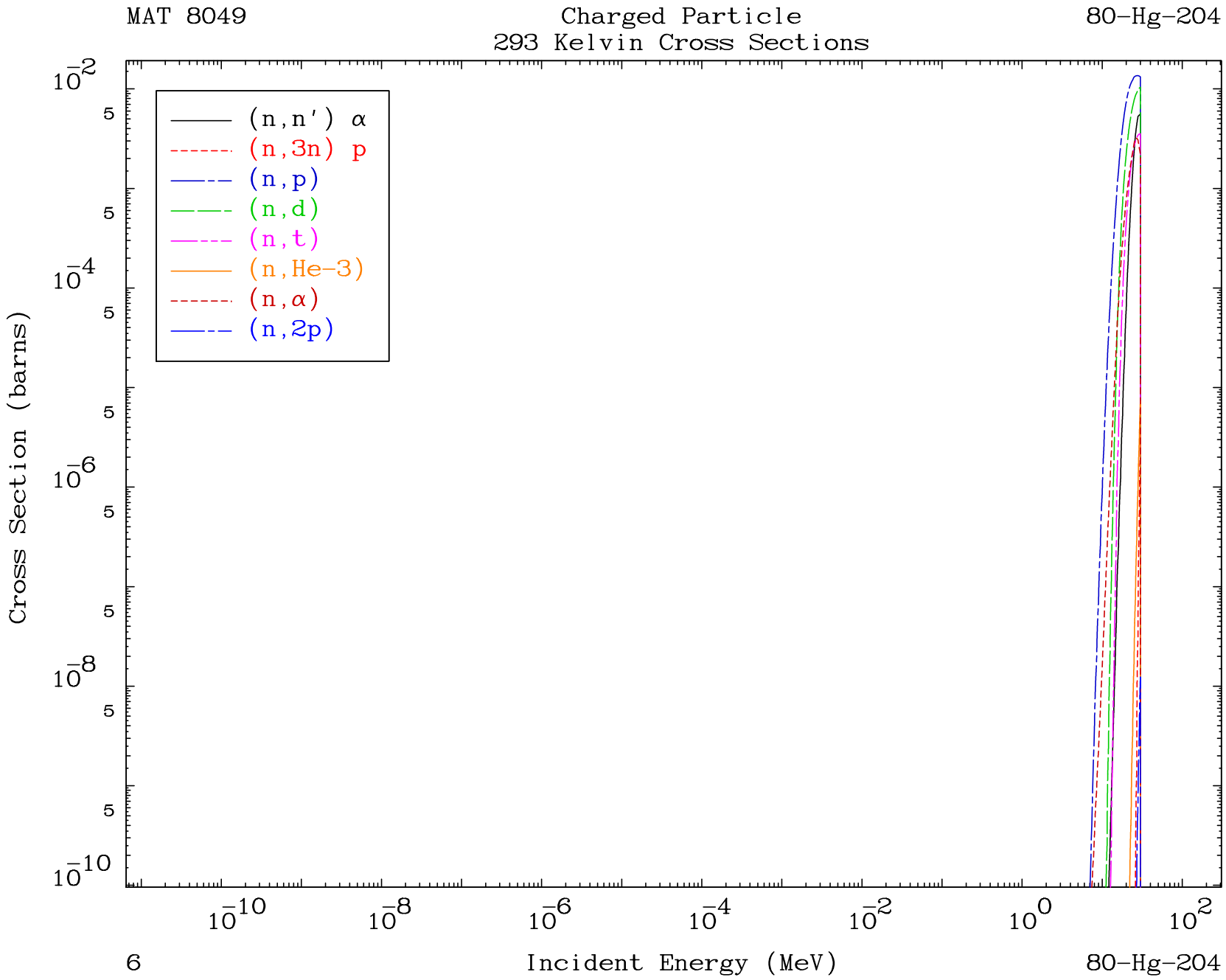

MAT 8049
Neutron Major
293 Kelvin Cross Sections
80-Hg-204
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
80-Hg-204

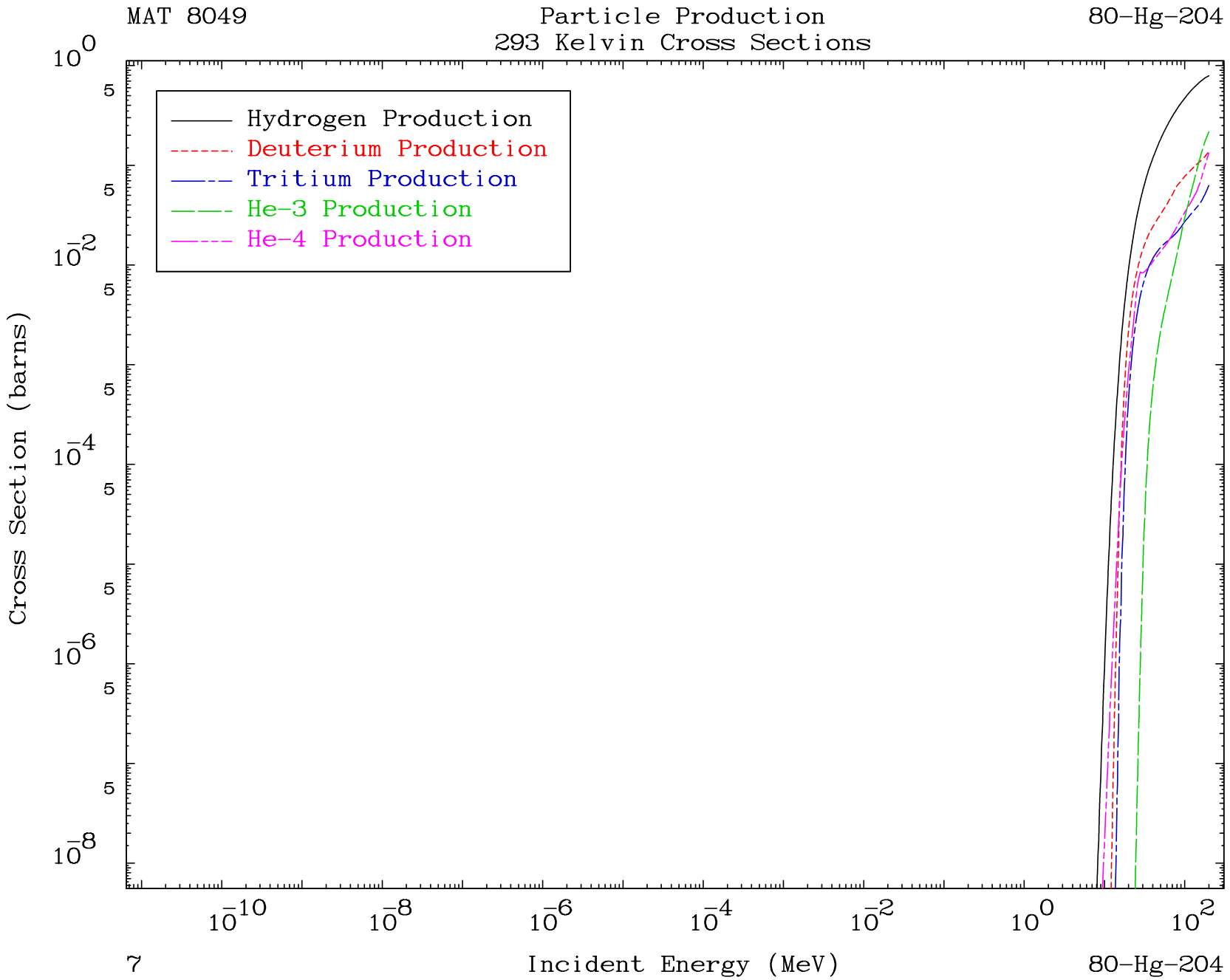

MAT 8049
Neutron Absorption
293 Kelvin Cross Sections
80-Hg-204
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
80-Hg-204

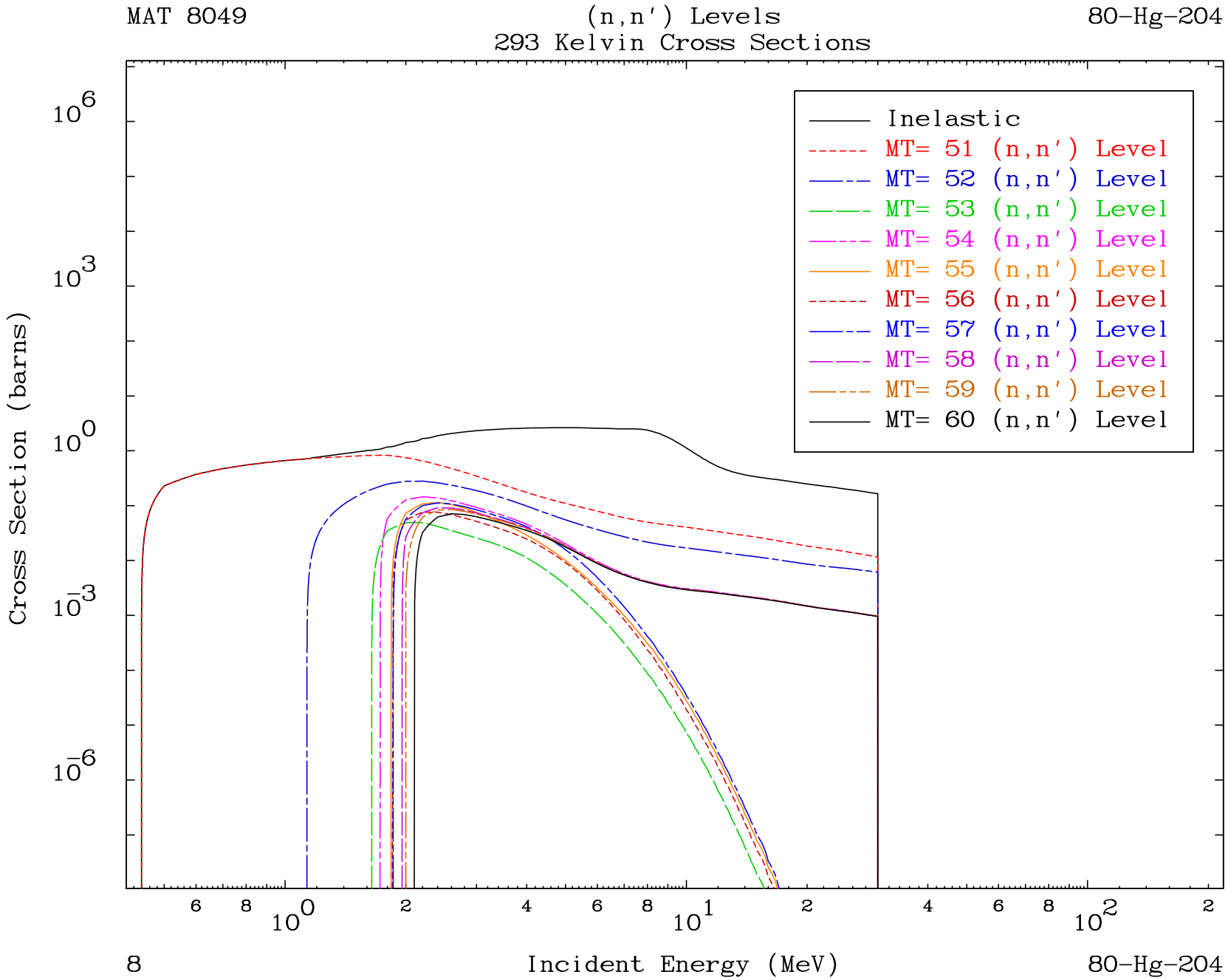

MAT 8049
Neutron Absorption
293 Kelvin Cross Sections
80-Hg-204
Cross Section (barns)
Incident Energy (MeV)
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
3
80-Hg-204

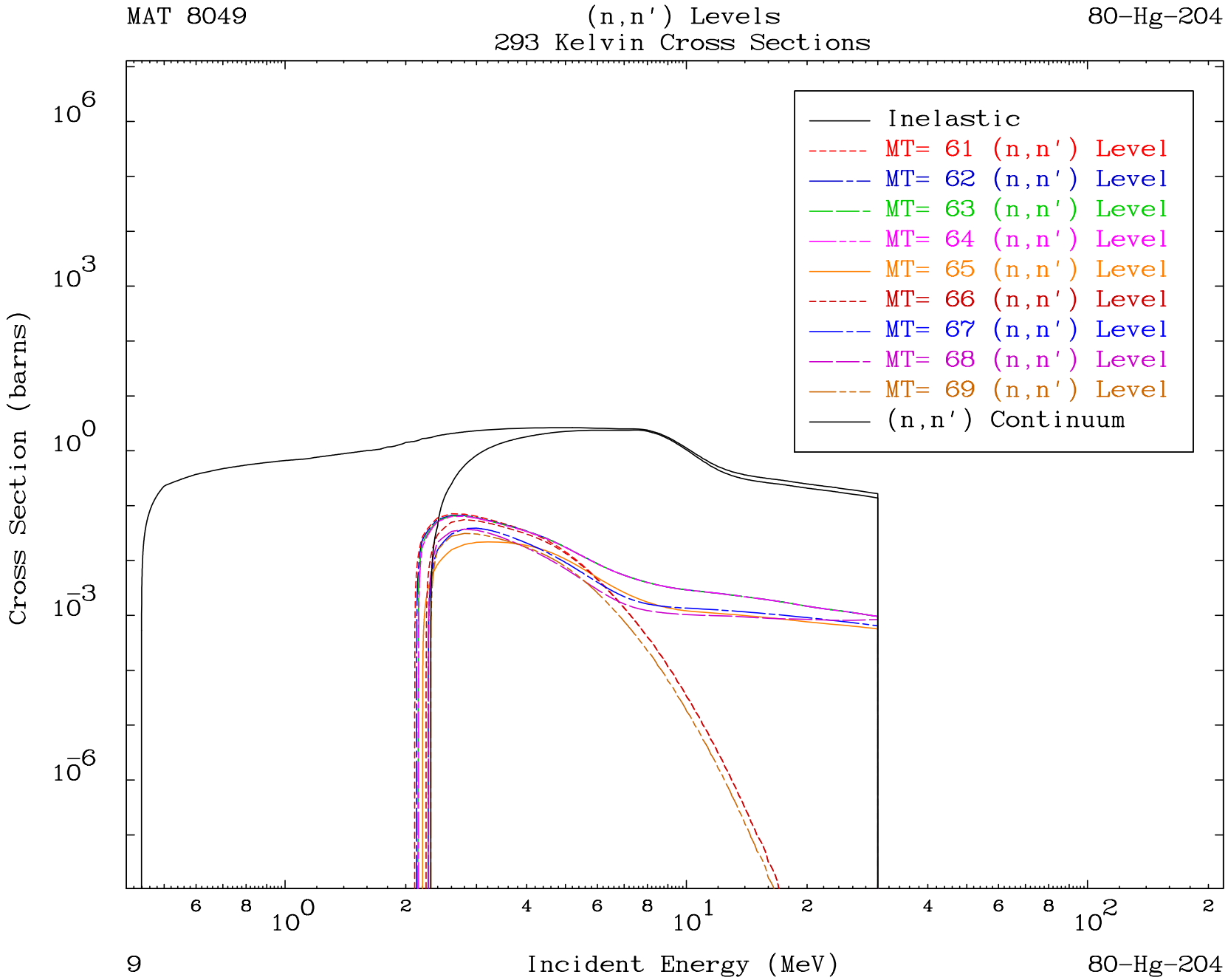

MAT 8049
Neutron Absorption
293 Kelvin Cross Sections
80-Hg-204
(n,α)
(n,2p)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
80-Hg-204

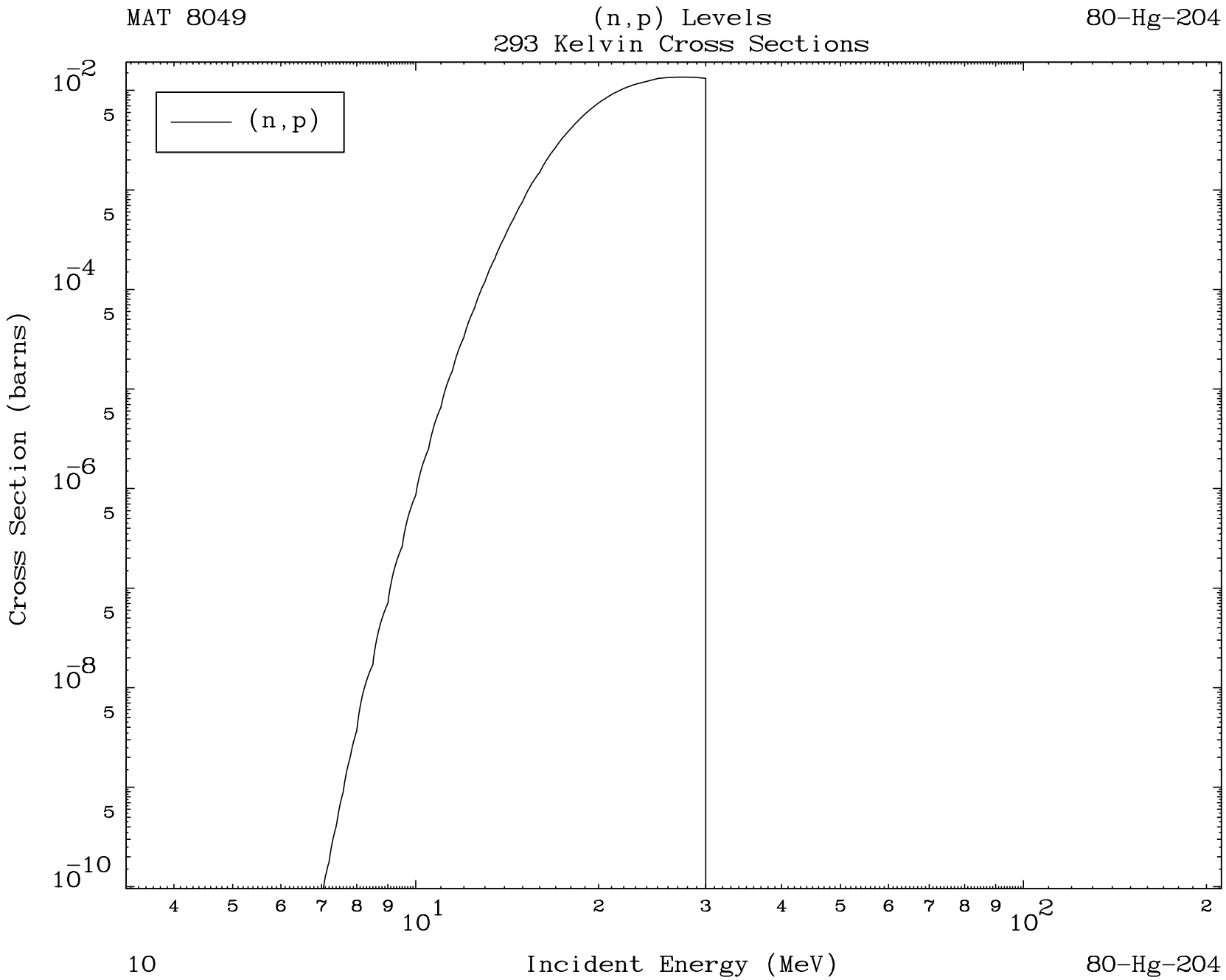

MAT 8049
Charged Particle
293 Kelvin Cross Sections
80-Hg-204
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
80-Hg-204

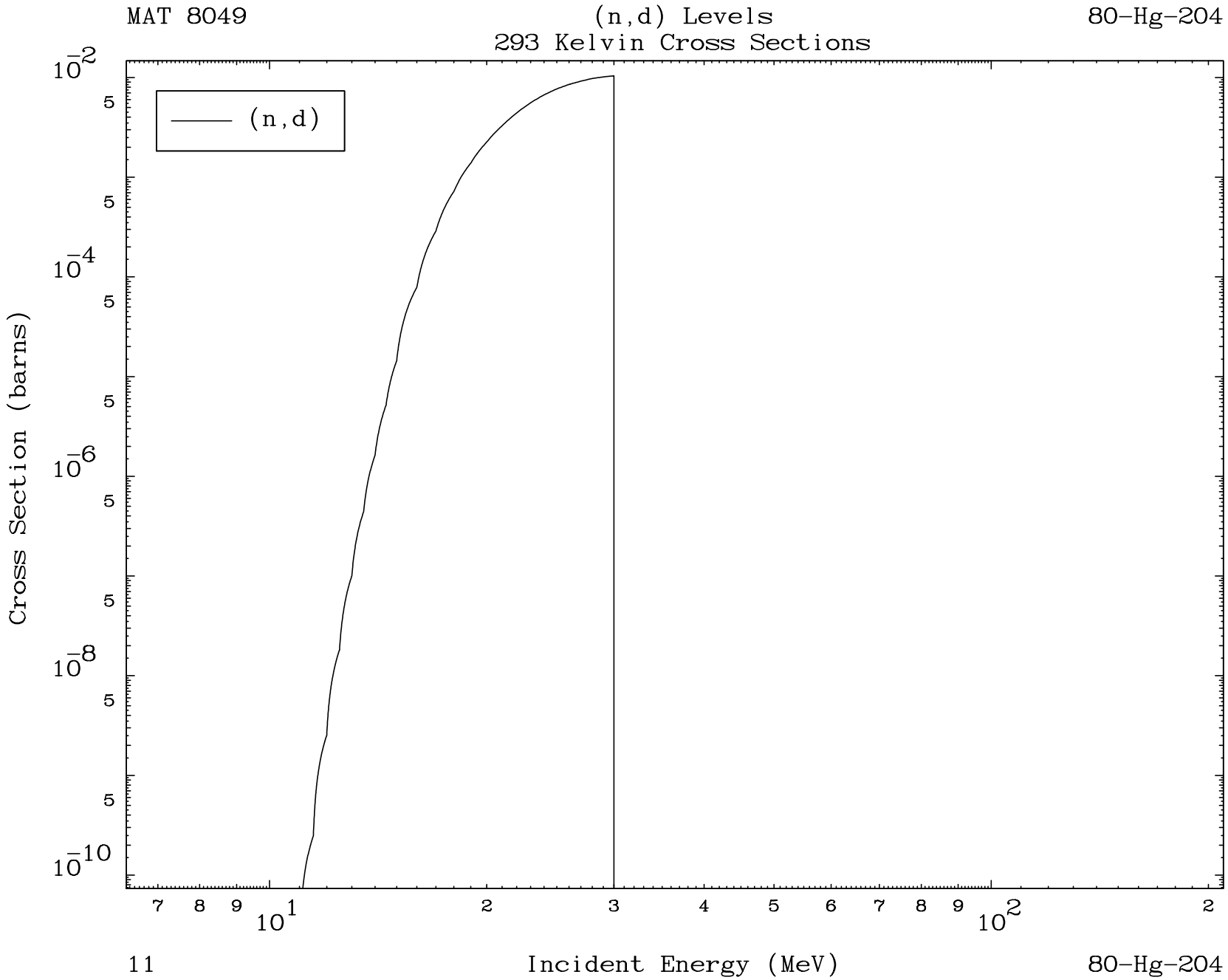

MAT 8049
Charged Particle
293 Kelvin Cross Sections
80-Hg-204
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
6
80-Hg-204

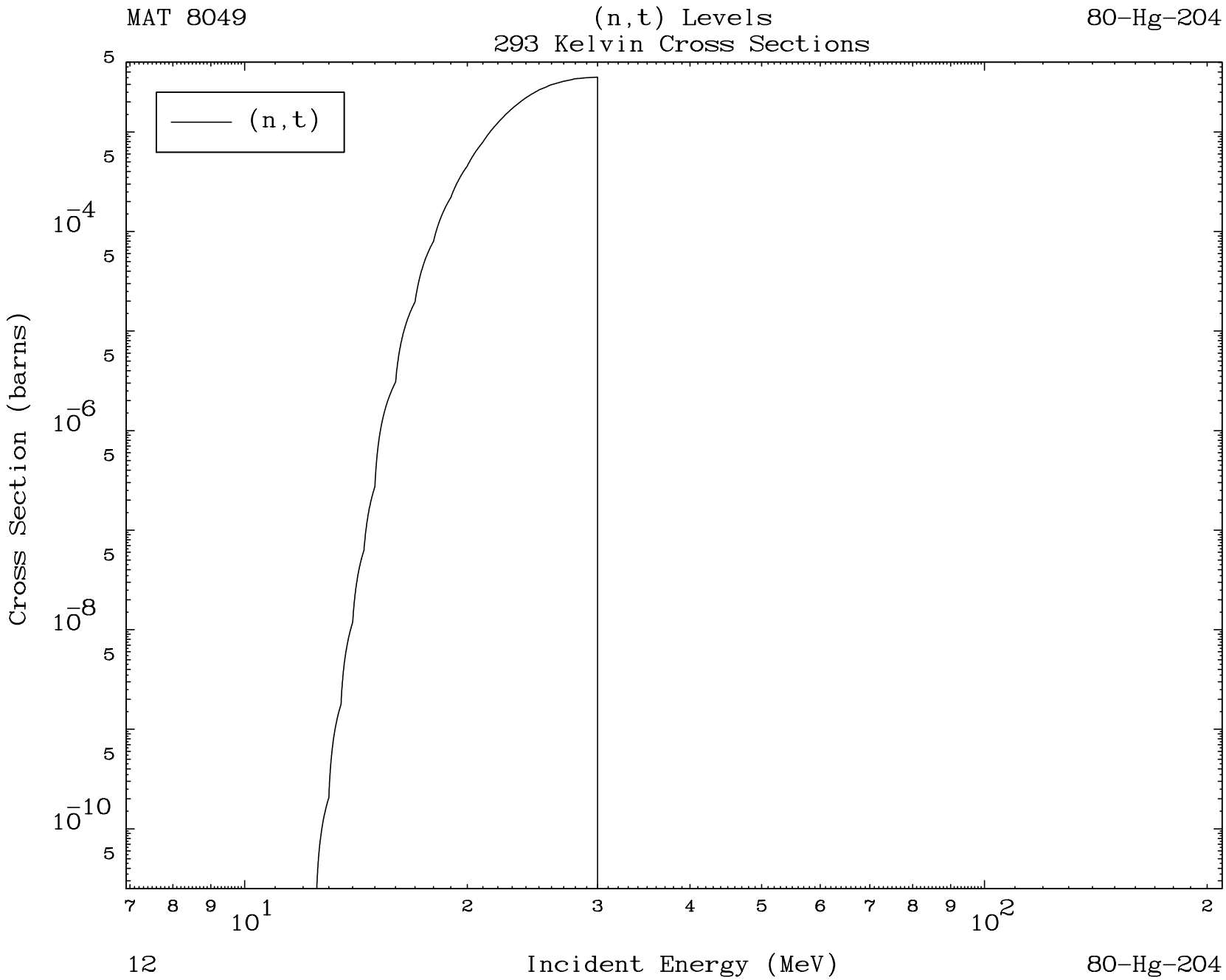

MAT 8049
Particle Production
293 Kelvin Cross Sections
80-Hg-204
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
80-Hg-204


MAT 8049
(n,n') Levels
293 Kelvin Cross Sections
80-Hg-204
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
80-Hg-204

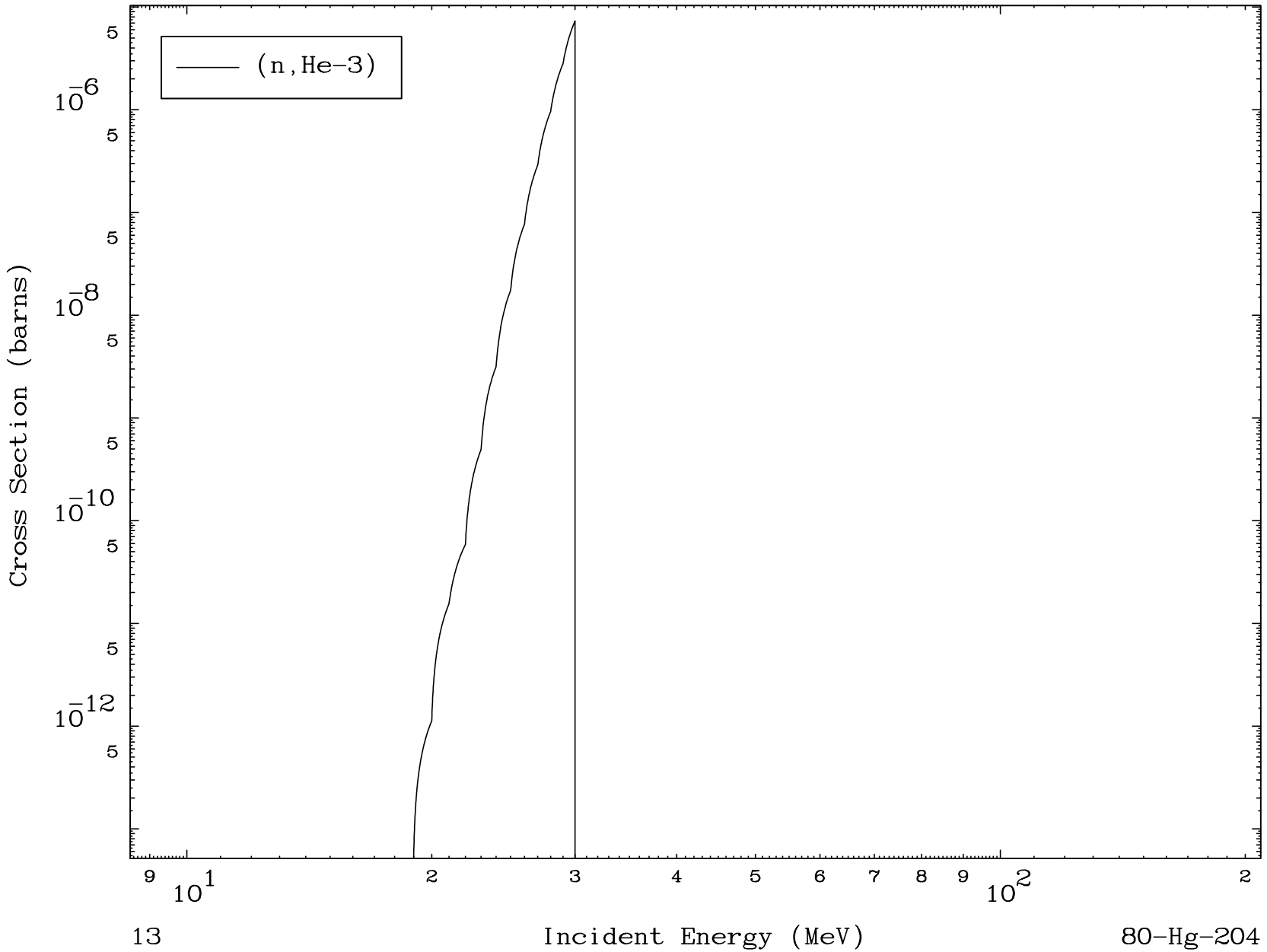

MAT 8049
(n,n') Levels
293 Kelvin Cross Sections
80-Hg-204
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
9
80-Hg-204

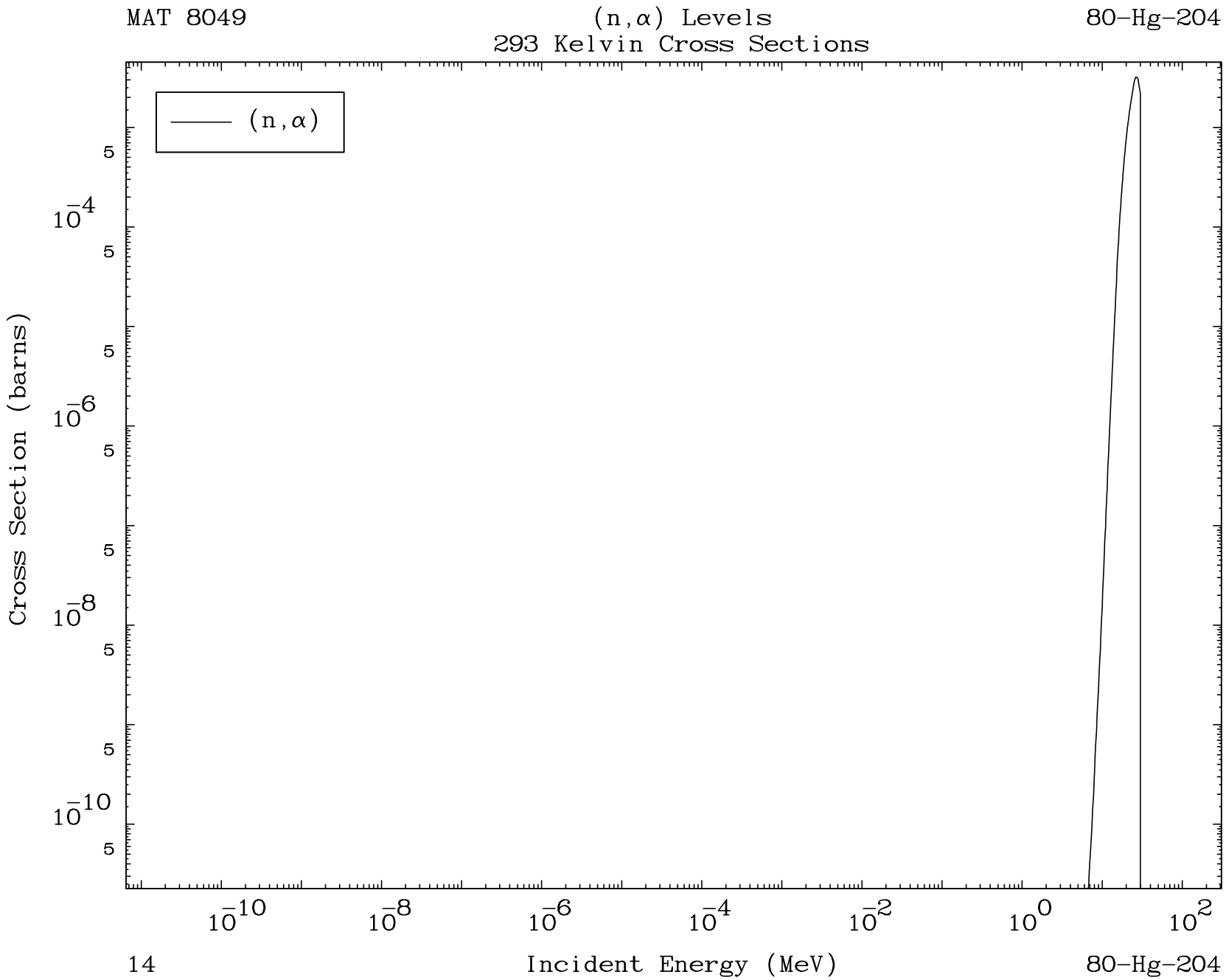

MAT 8049
(n,p) Levels
80-Hg-204
293 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-204

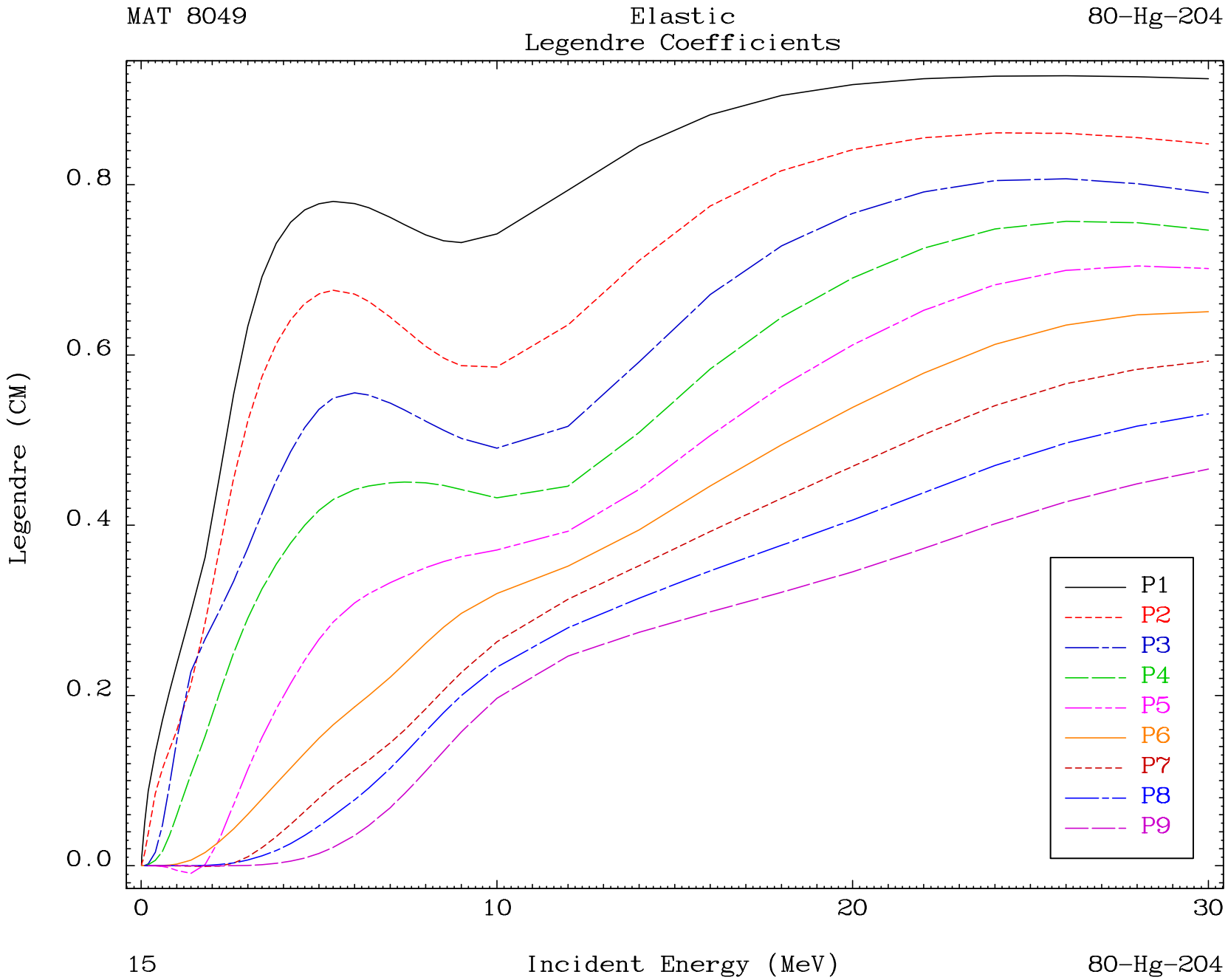

MAT 8049
(n,d) Levels
80-Hg-204
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-204

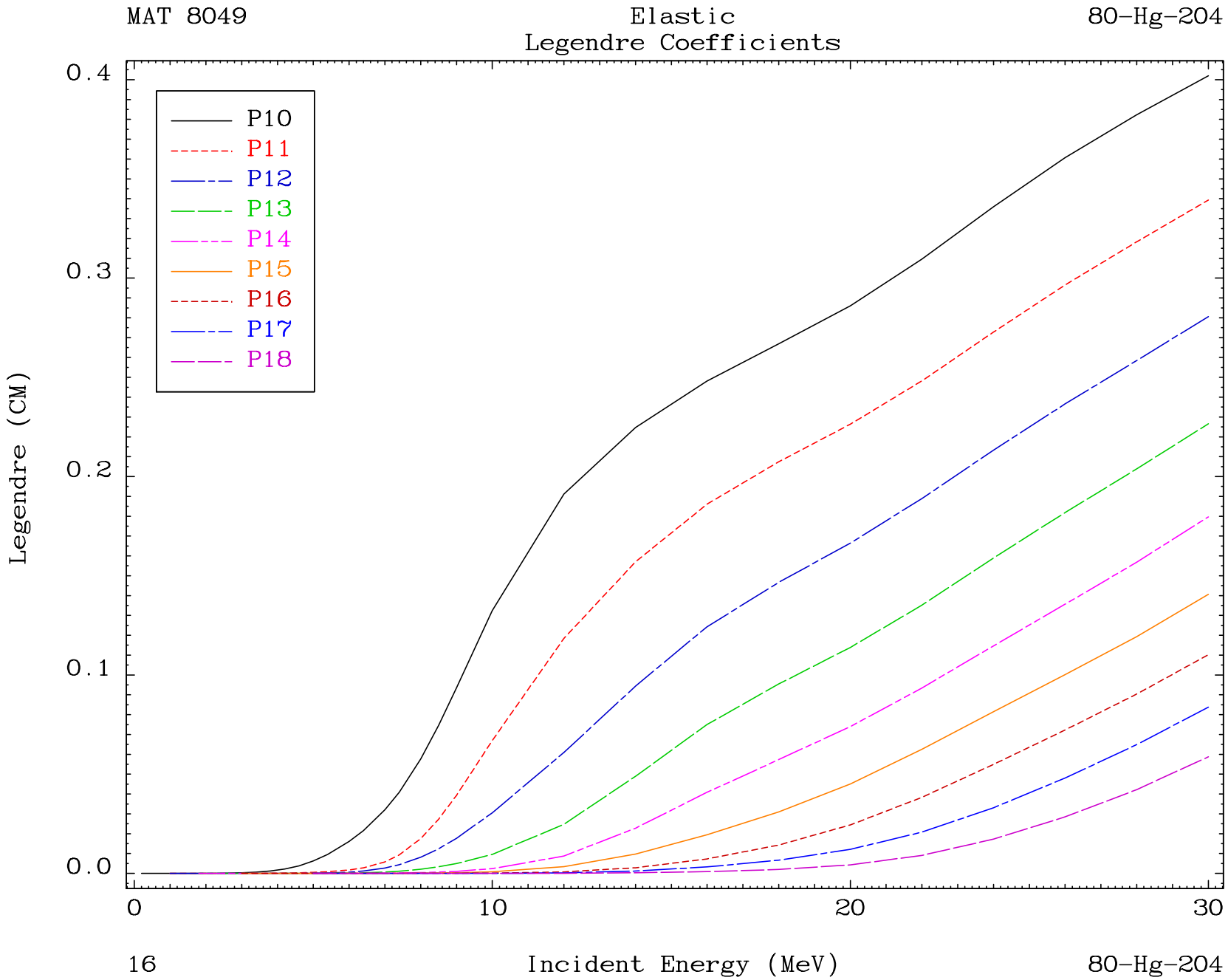

MAT 8049
(n,t) Levels
80-Hg-204
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-204

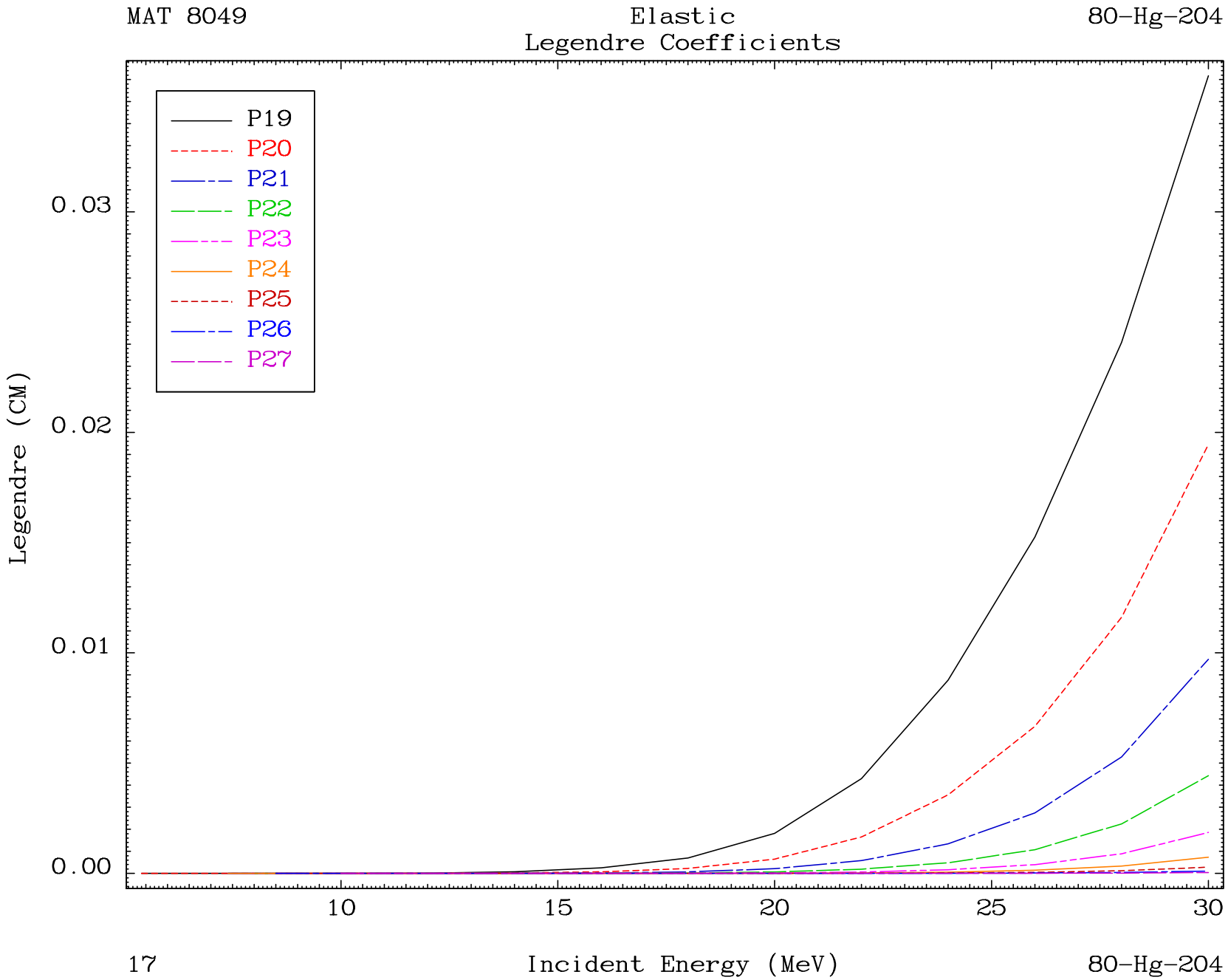
293 Kelvin Cross Sections

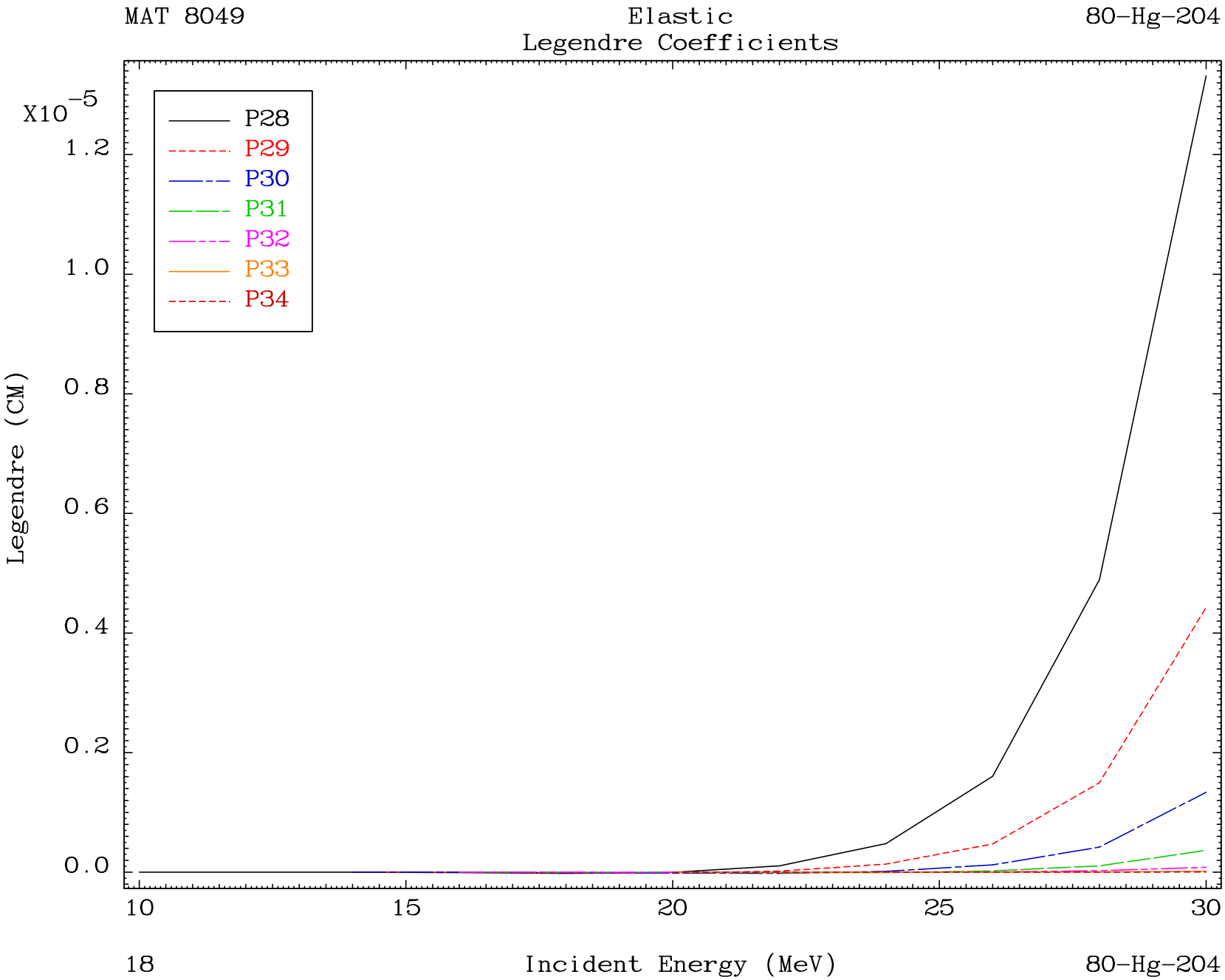


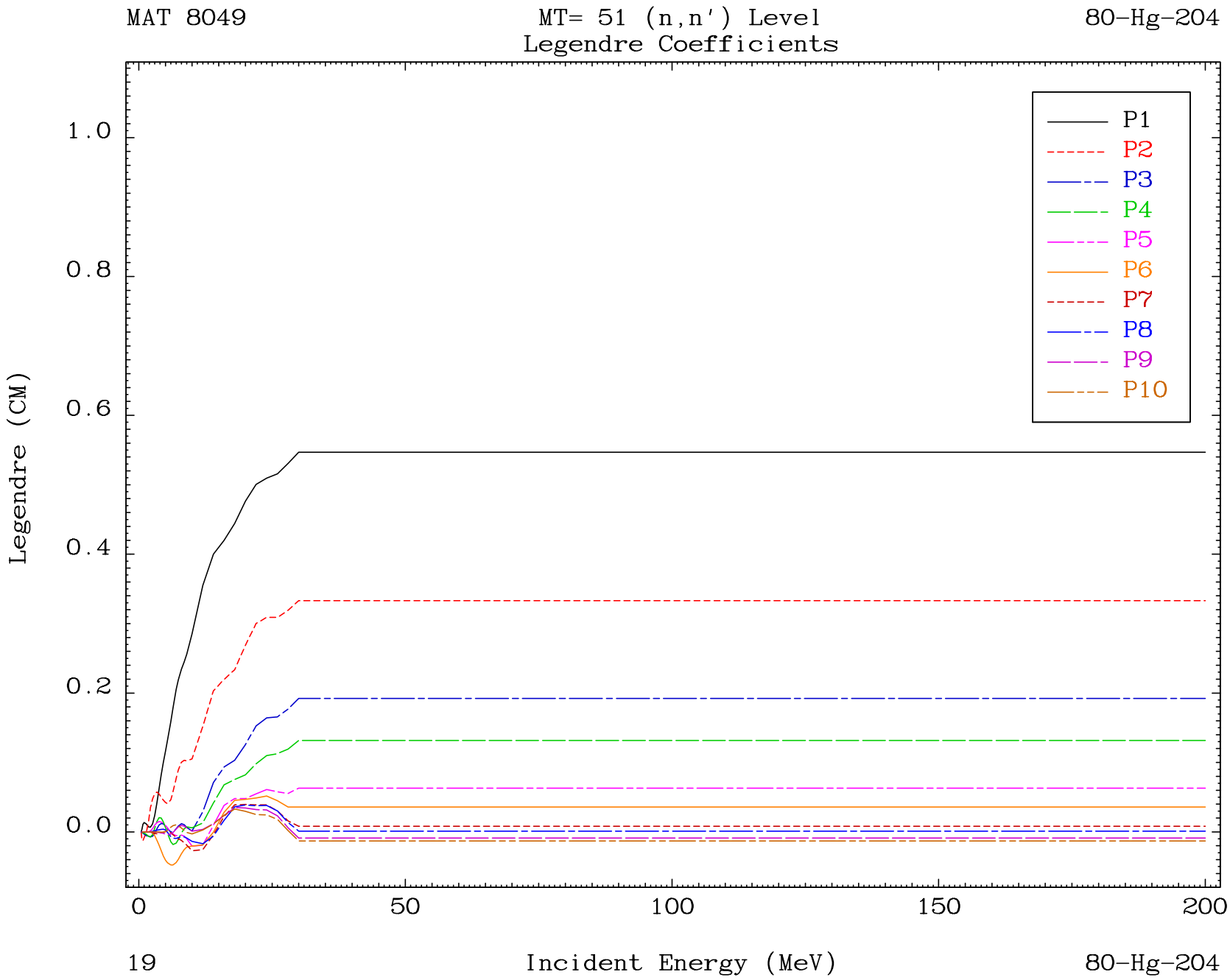

MAT 8049
(n,α) Levels
80-Hg-204
293 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
14
80-Hg-204

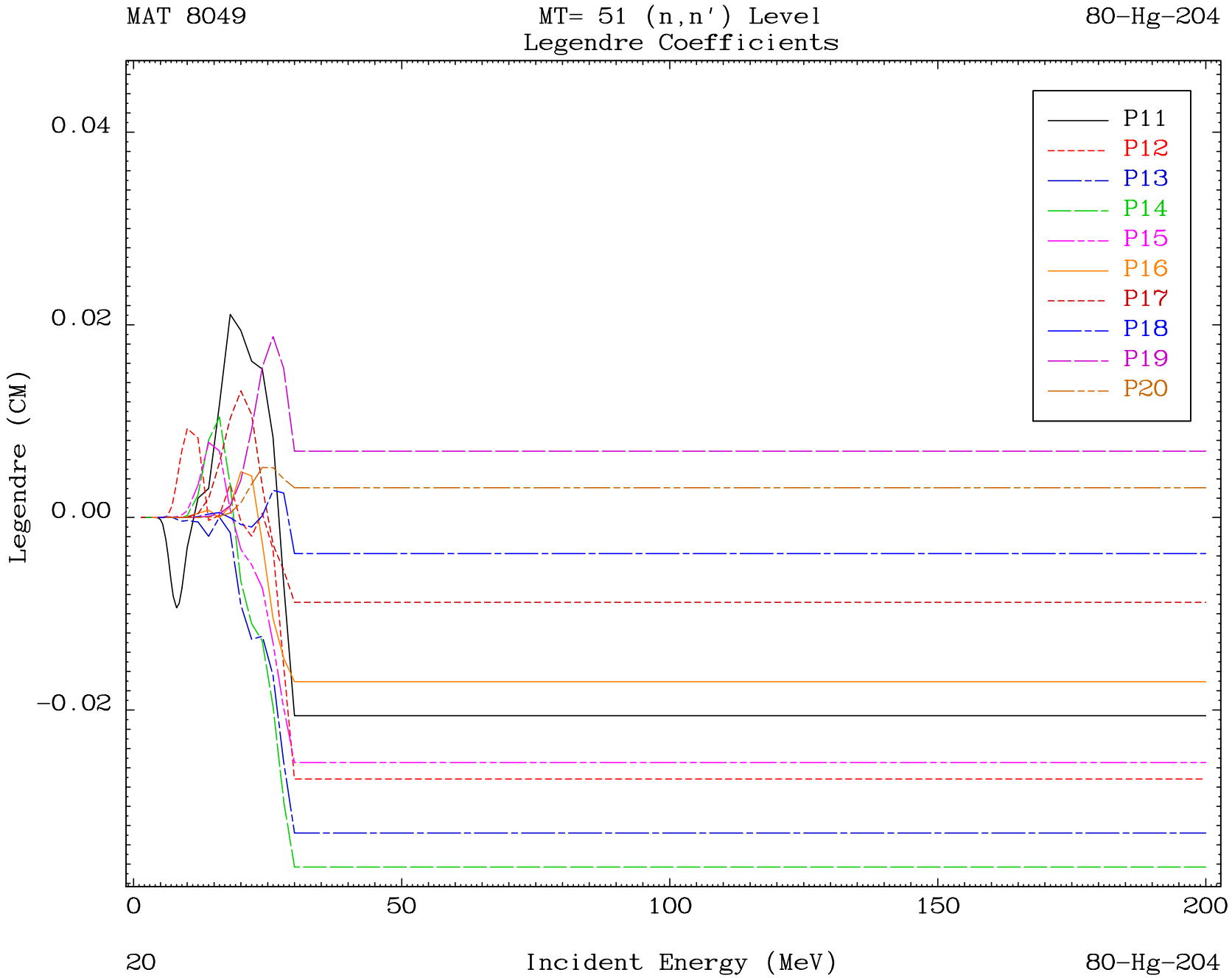

MAT 8049
Elastic
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9

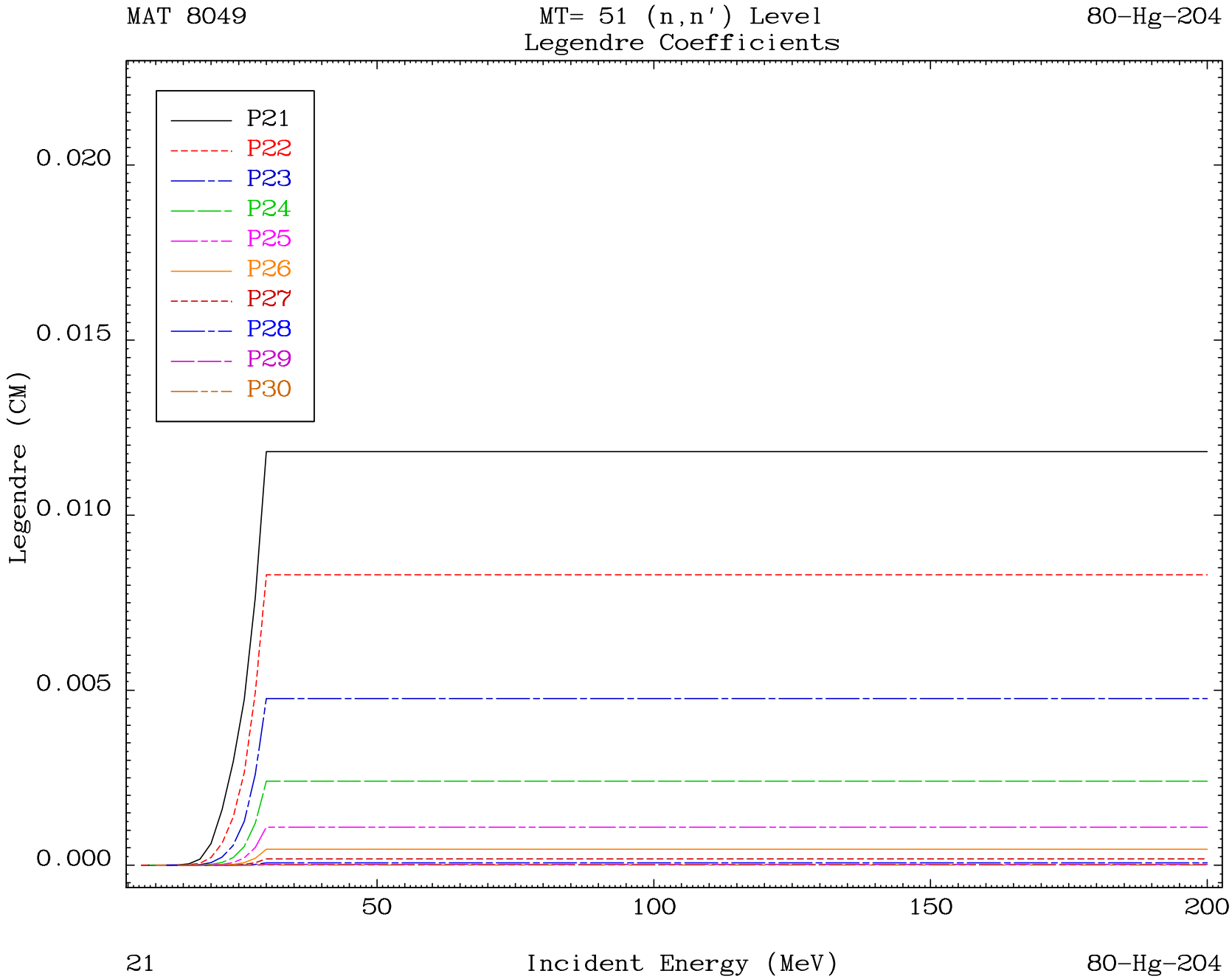

MAT 8049
Elastic
Legendre Coefficients
80-Hg-204
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
10
20
30
16
Incident Energy (MeV)
80-Hg-204

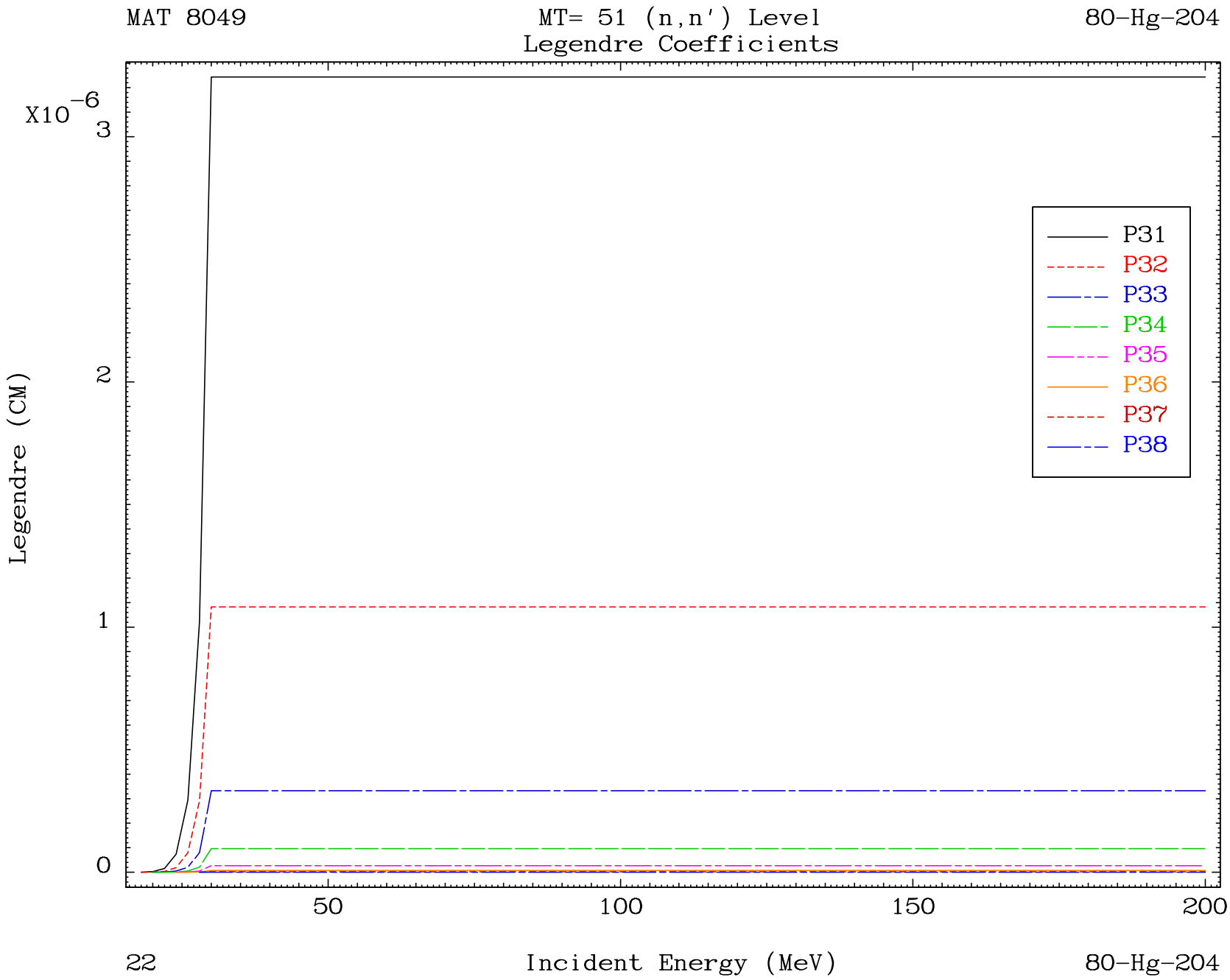

MAT 8049
Elastic
Legendre Coefficients
80-Hg-204
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
0.03
0.02
0.01
0.00
10
15
20
25
30
17
Incident Energy (MeV)
80-Hg-204

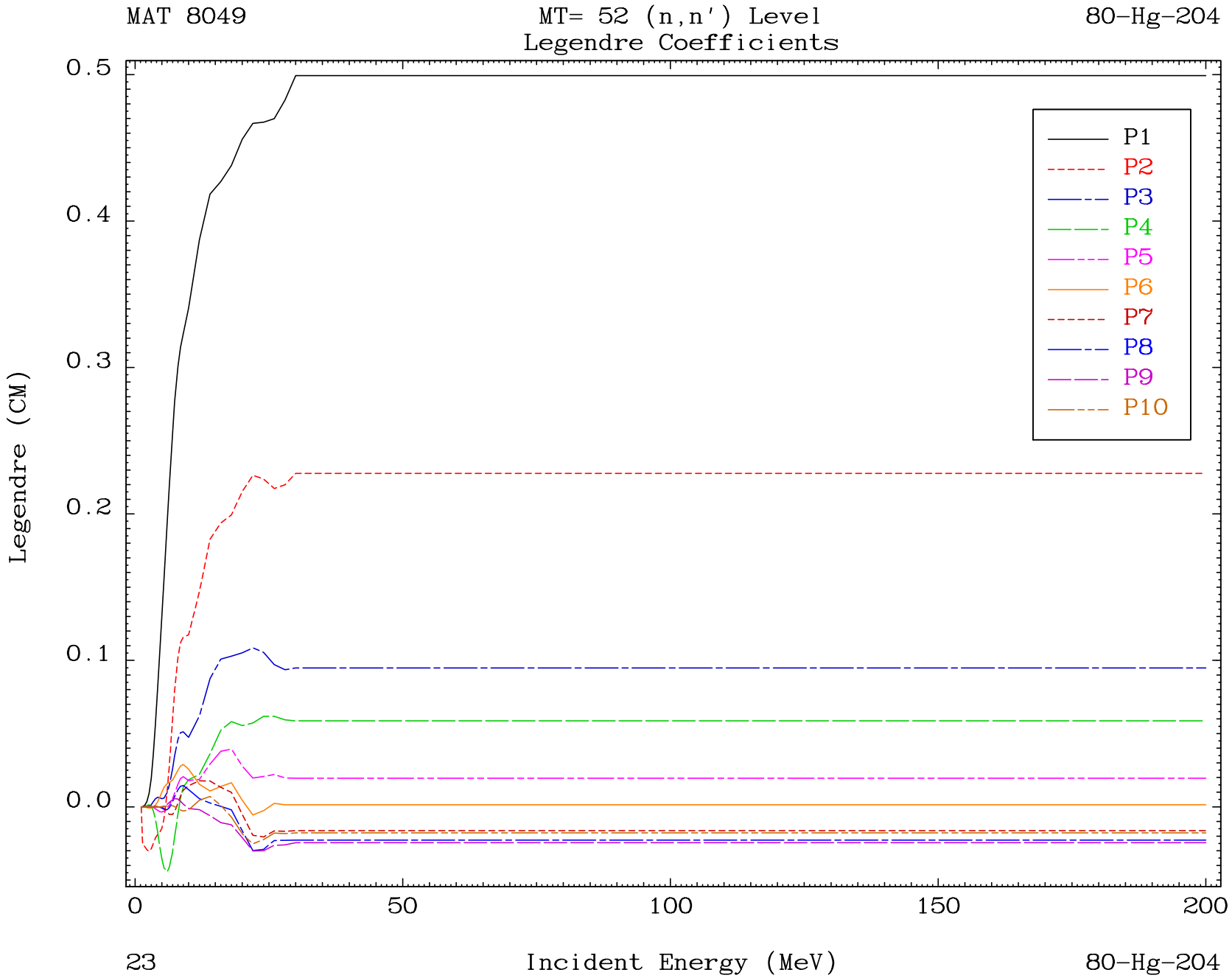

MAT 8049
Elastic
Legendre Coefficients
80-Hg-204
X10 -5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
18
Incident Energy (MeV)
80-Hg-204

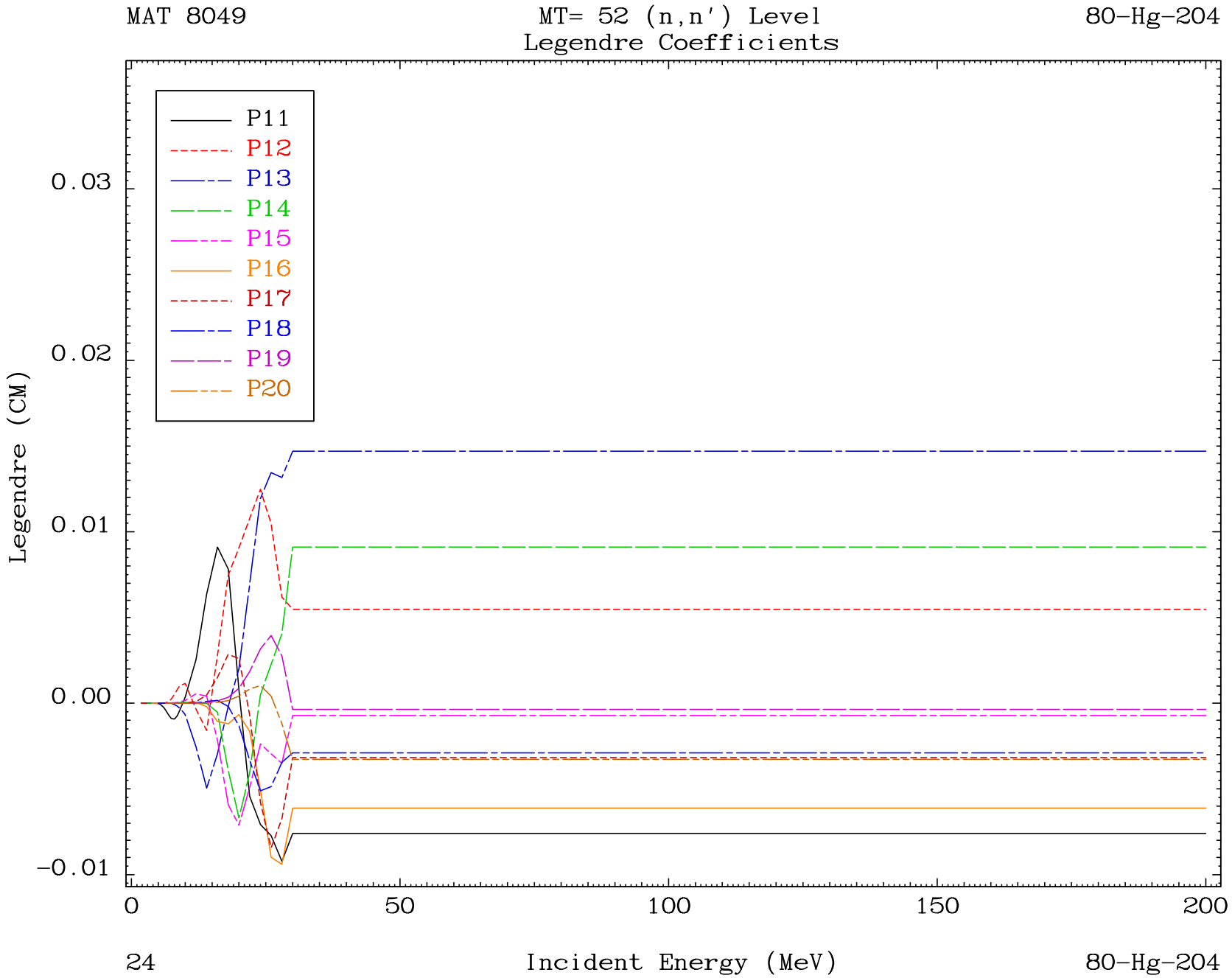

MAT 8049
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
19
Incident Energy (MeV)
80-Hg-204

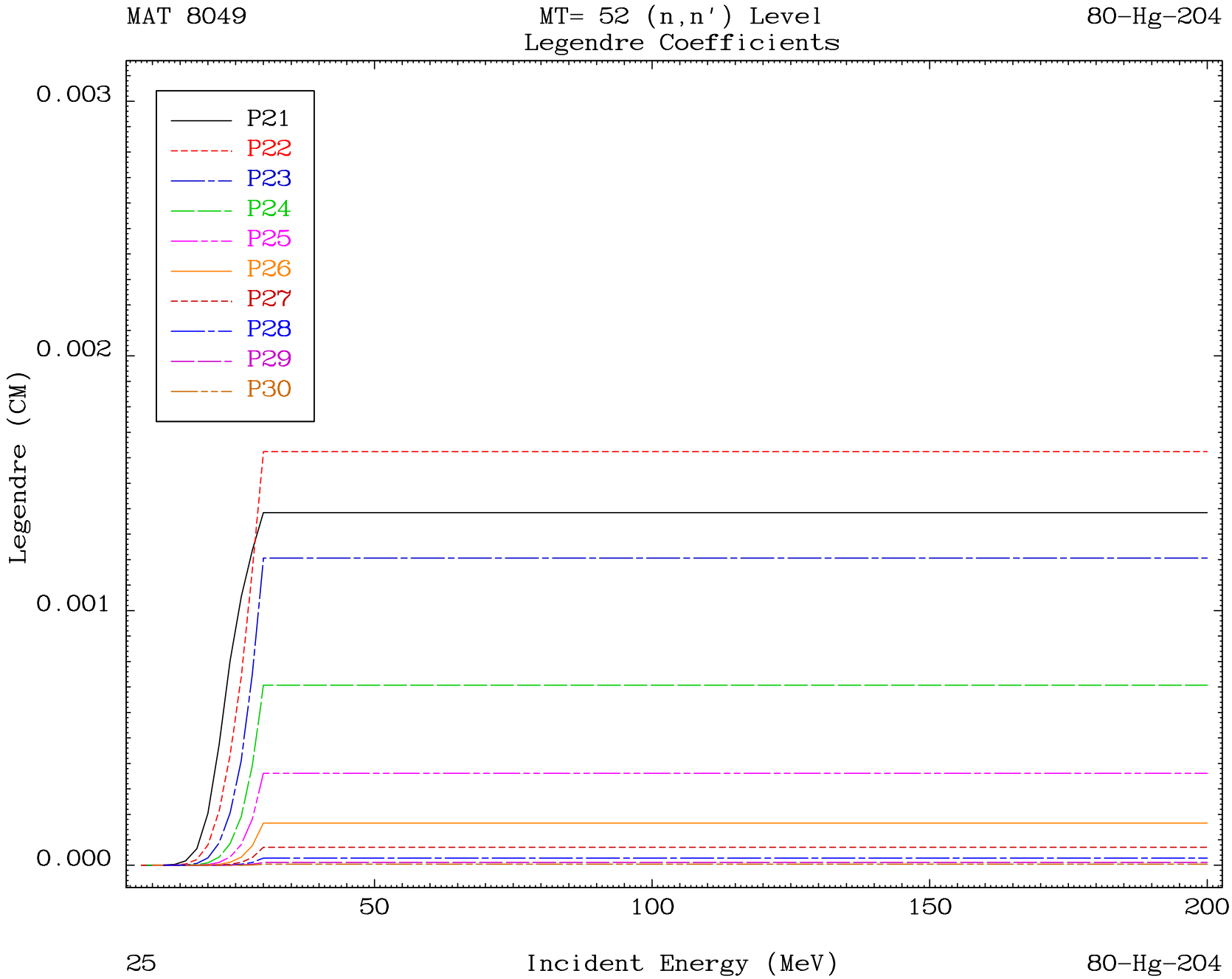

MAT 8049
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-204
0.04
0.02
0.00
-0.02
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
20
Incident Energy (MeV)
80-Hg-204

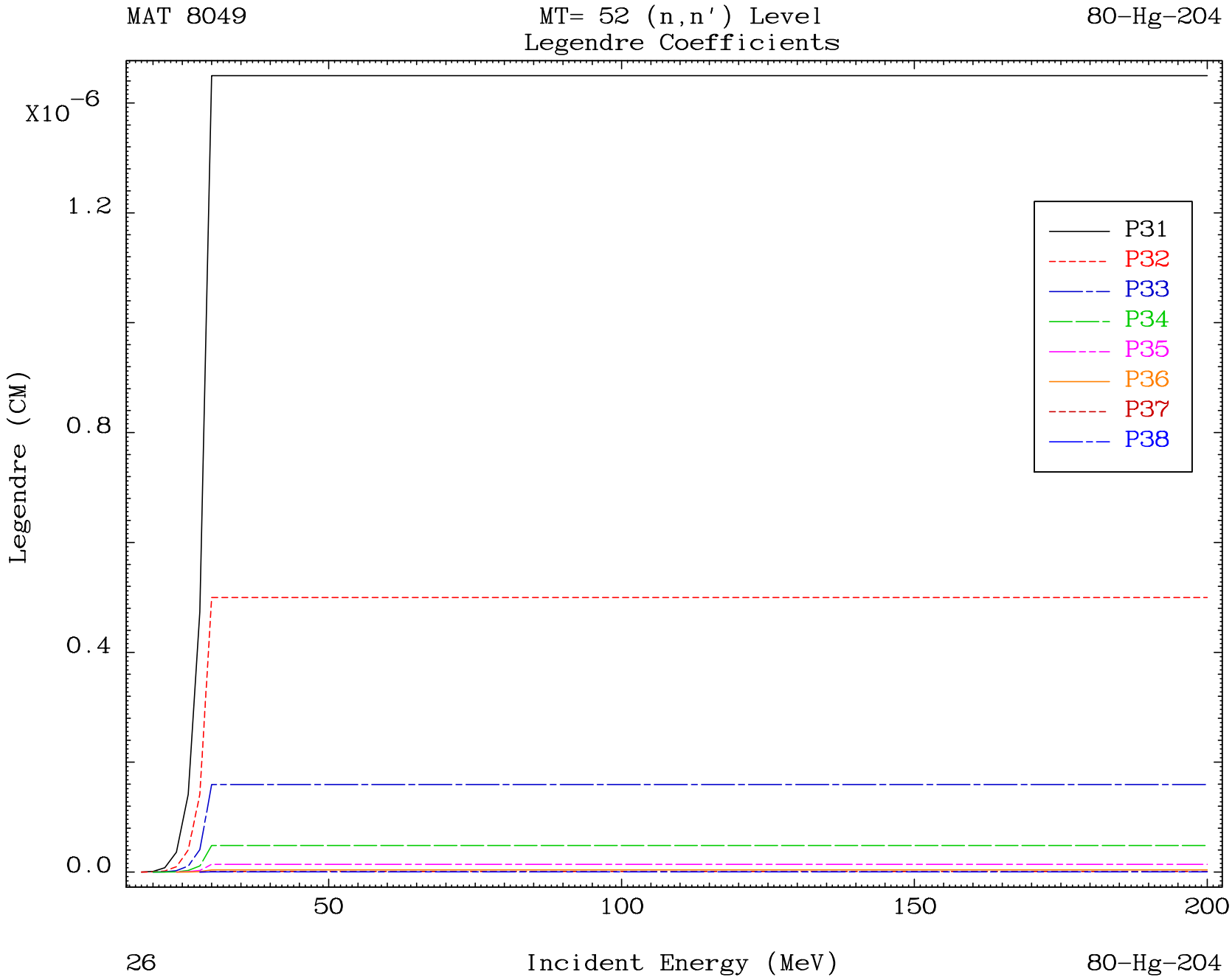

MAT 8049
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
21
Incident Energy (MeV)
80-Hg-204

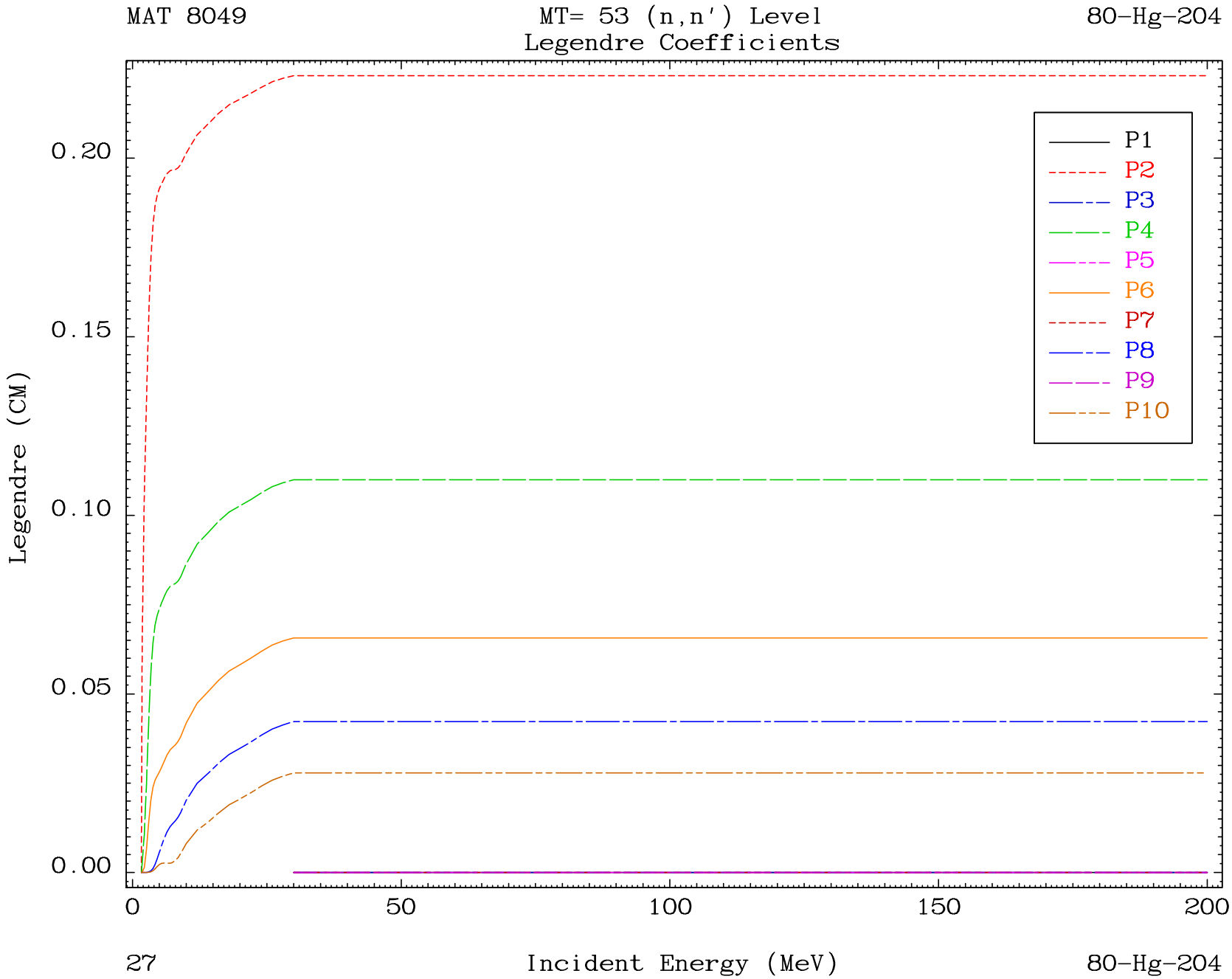

MAT 8049
MT= 51 (n,n') Level
Legendre Coefficients
80-Hg-204
X10 -6
3
2
1
0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
22
Incident Energy (MeV)
80-Hg-204

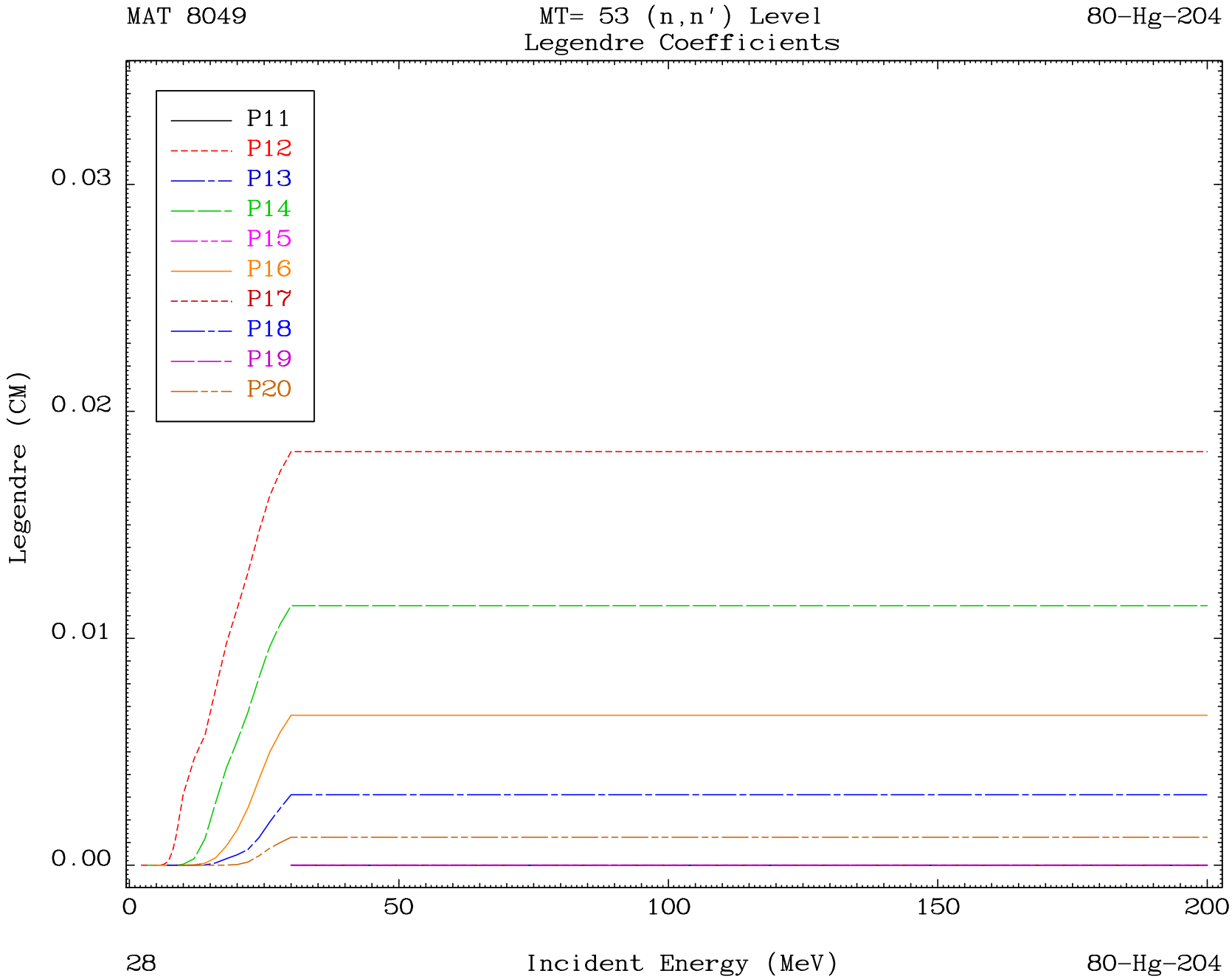

MAT 8049
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
23
Incident Energy (MeV)
80-Hg-204

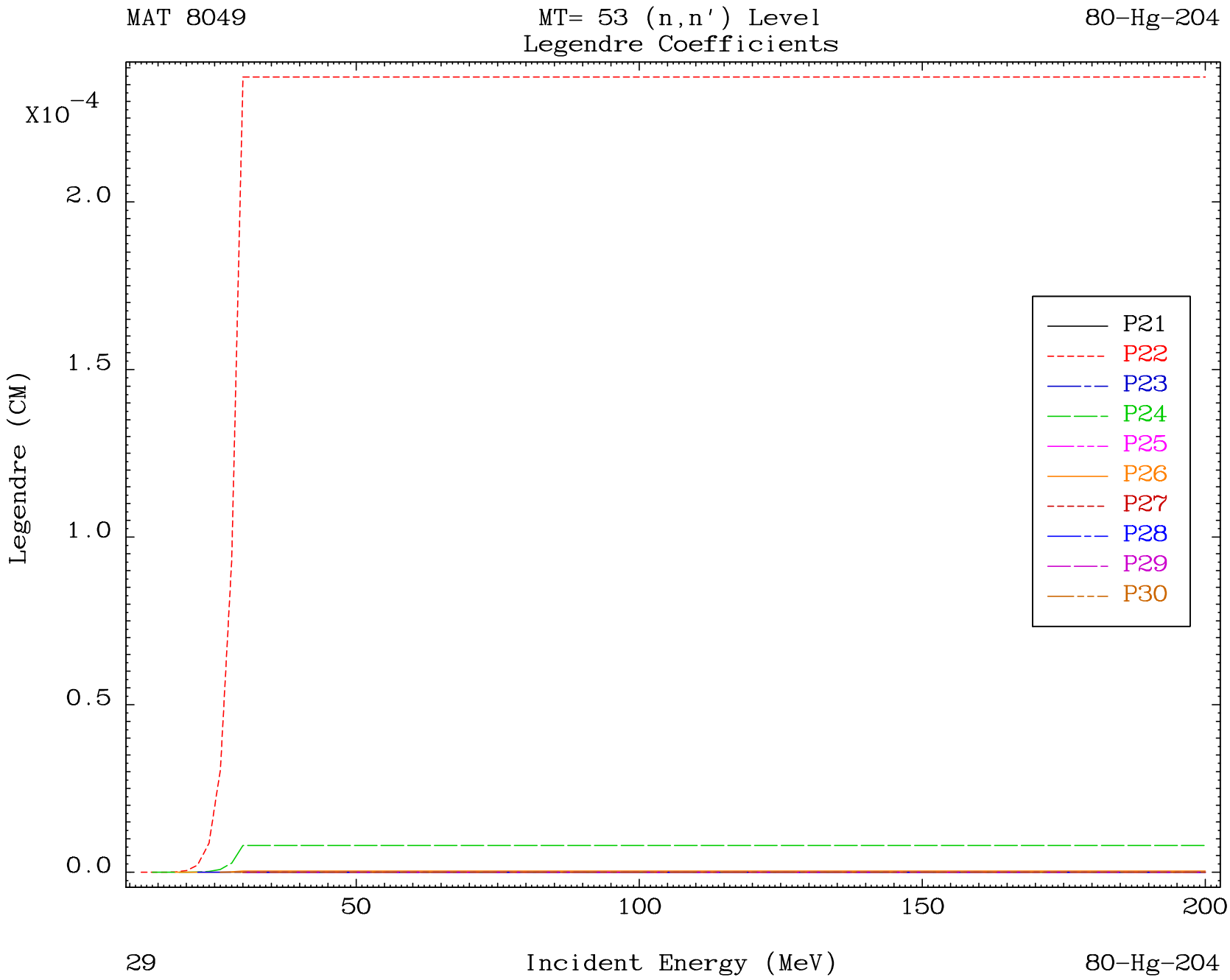

MAT 8049
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
-0.01
Legendre (CM)
0
50
100
150
200
24
Incident Energy (MeV)
80-Hg-204

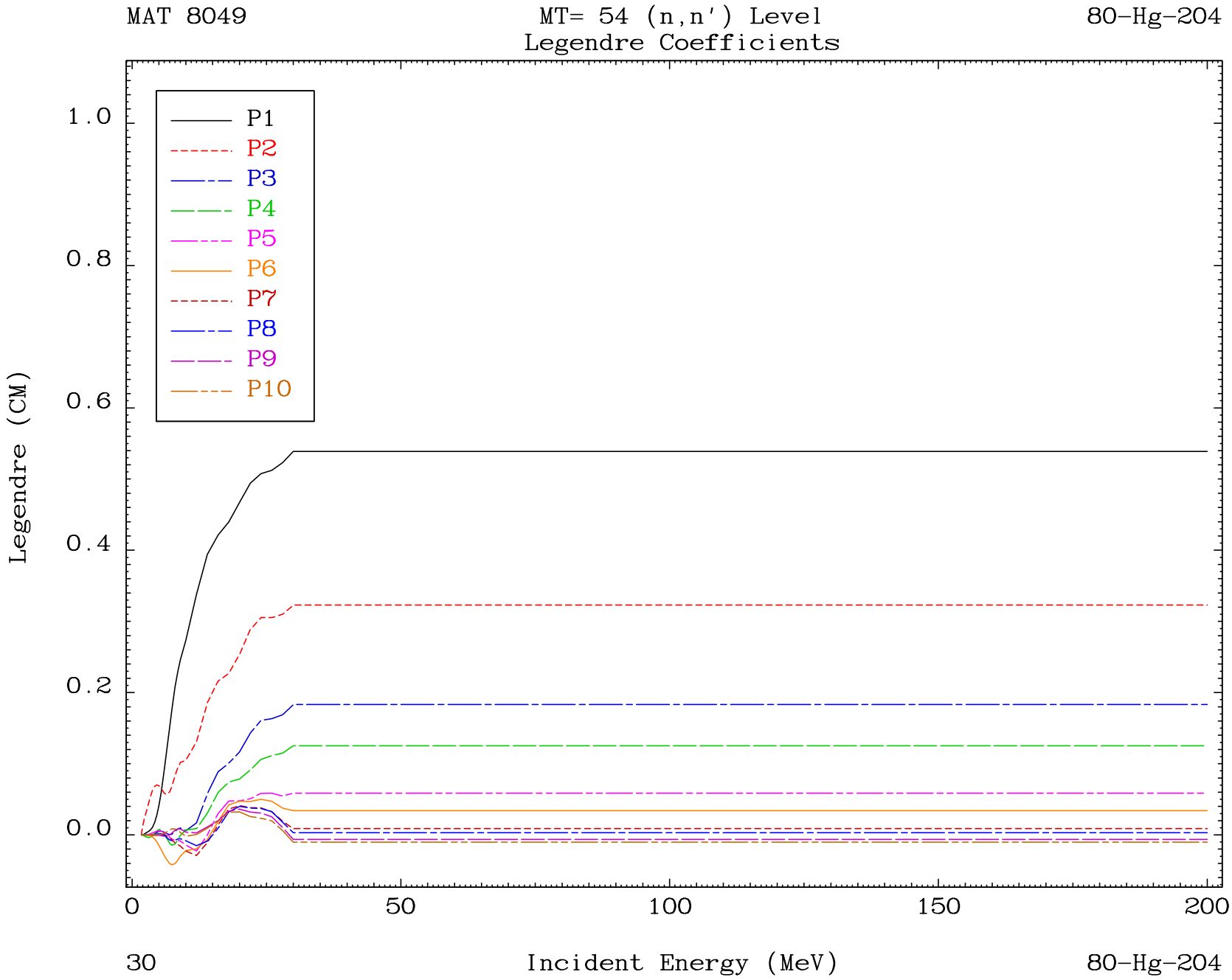

MAT 8049
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.003
0.002
0.001
0.000
Legendre (CM)
50
100
150
200
25
Incident Energy (MeV)
80-Hg-204

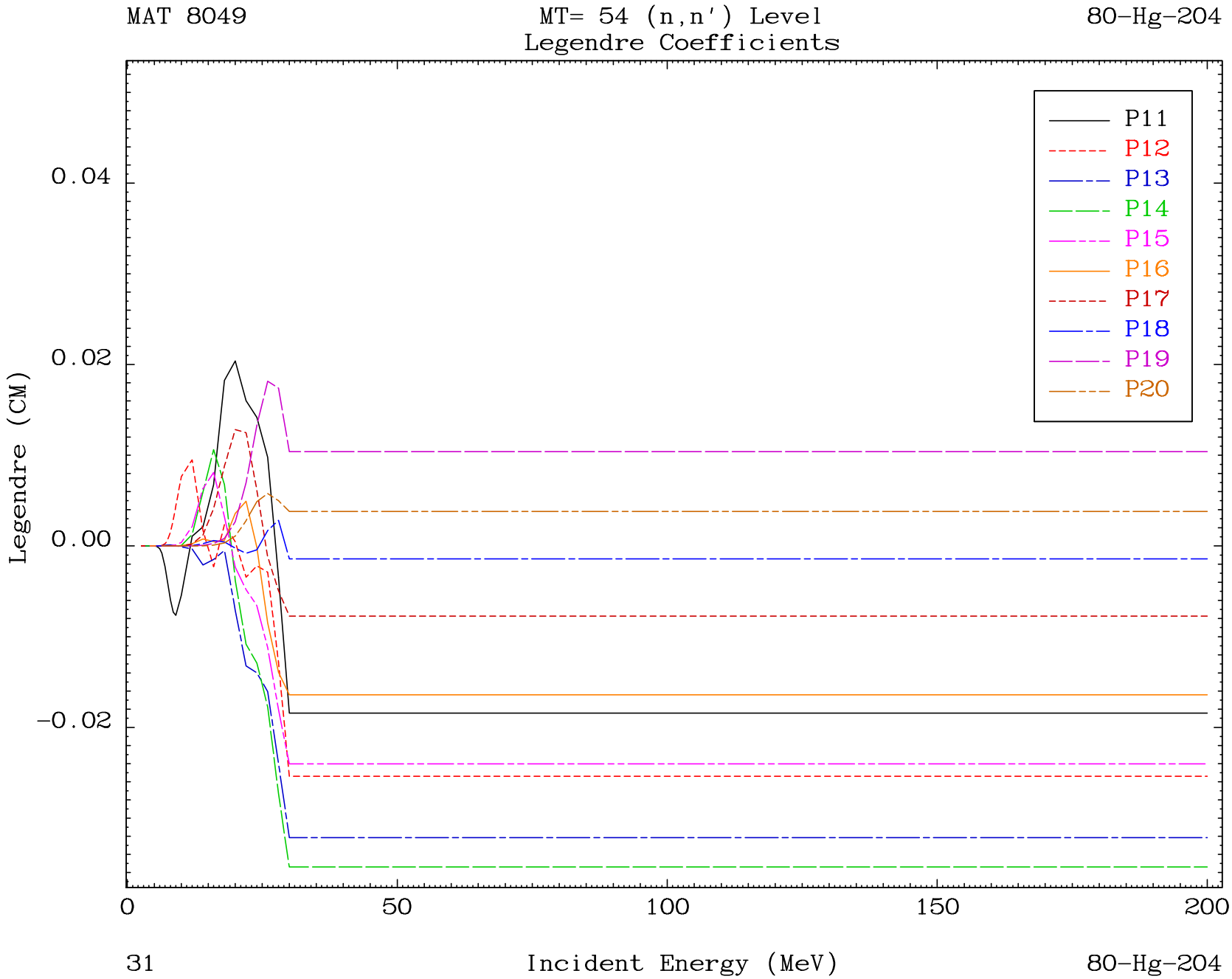

MAT 8049
MT= 52 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
1.2
0.8
0.4
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
26
Incident Energy (MeV)
80-Hg-204

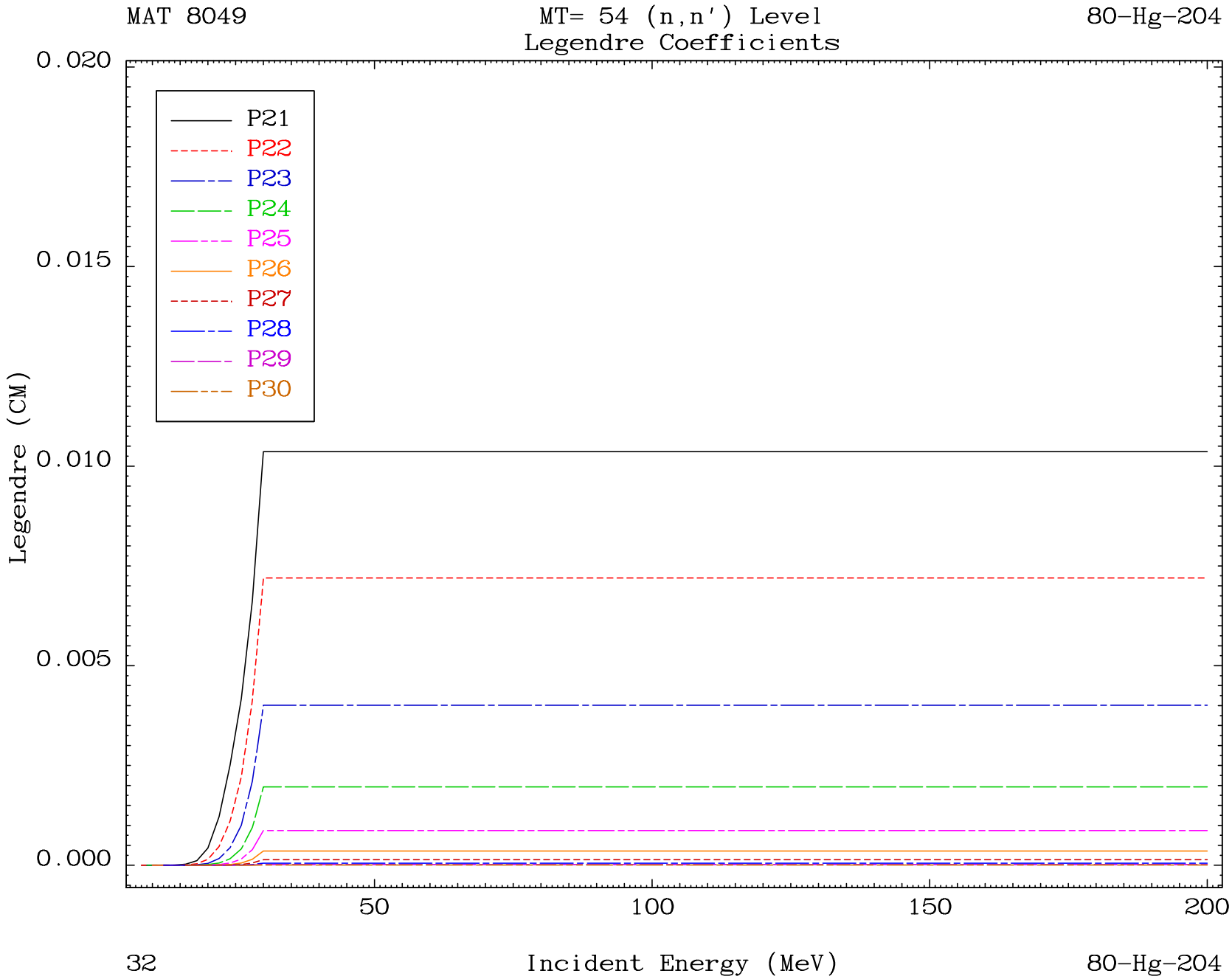

MAT 8049
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.20
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
27
Incident Energy (MeV)
80-Hg-204

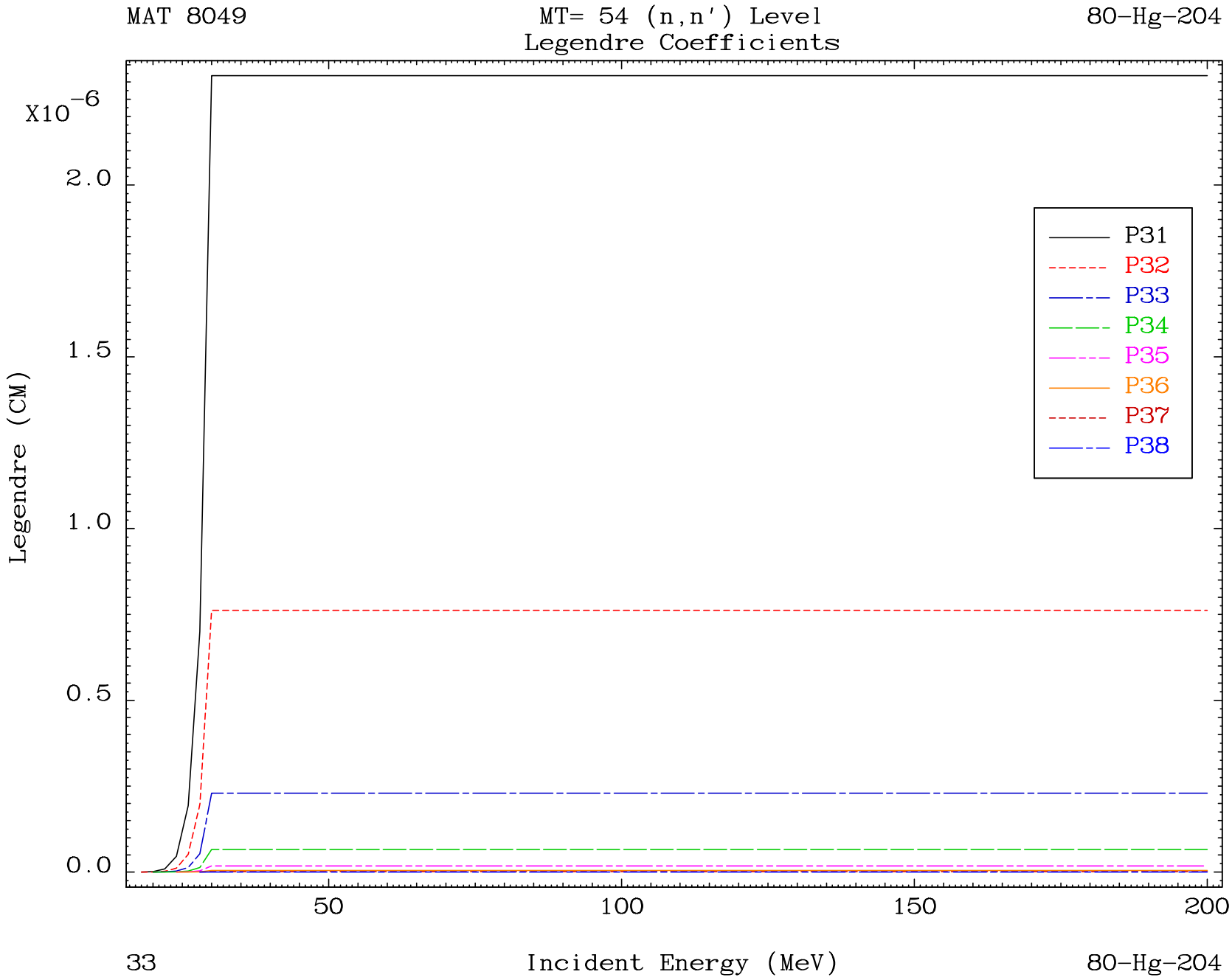

MAT 8049
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
28
Incident Energy (MeV)
80-Hg-204

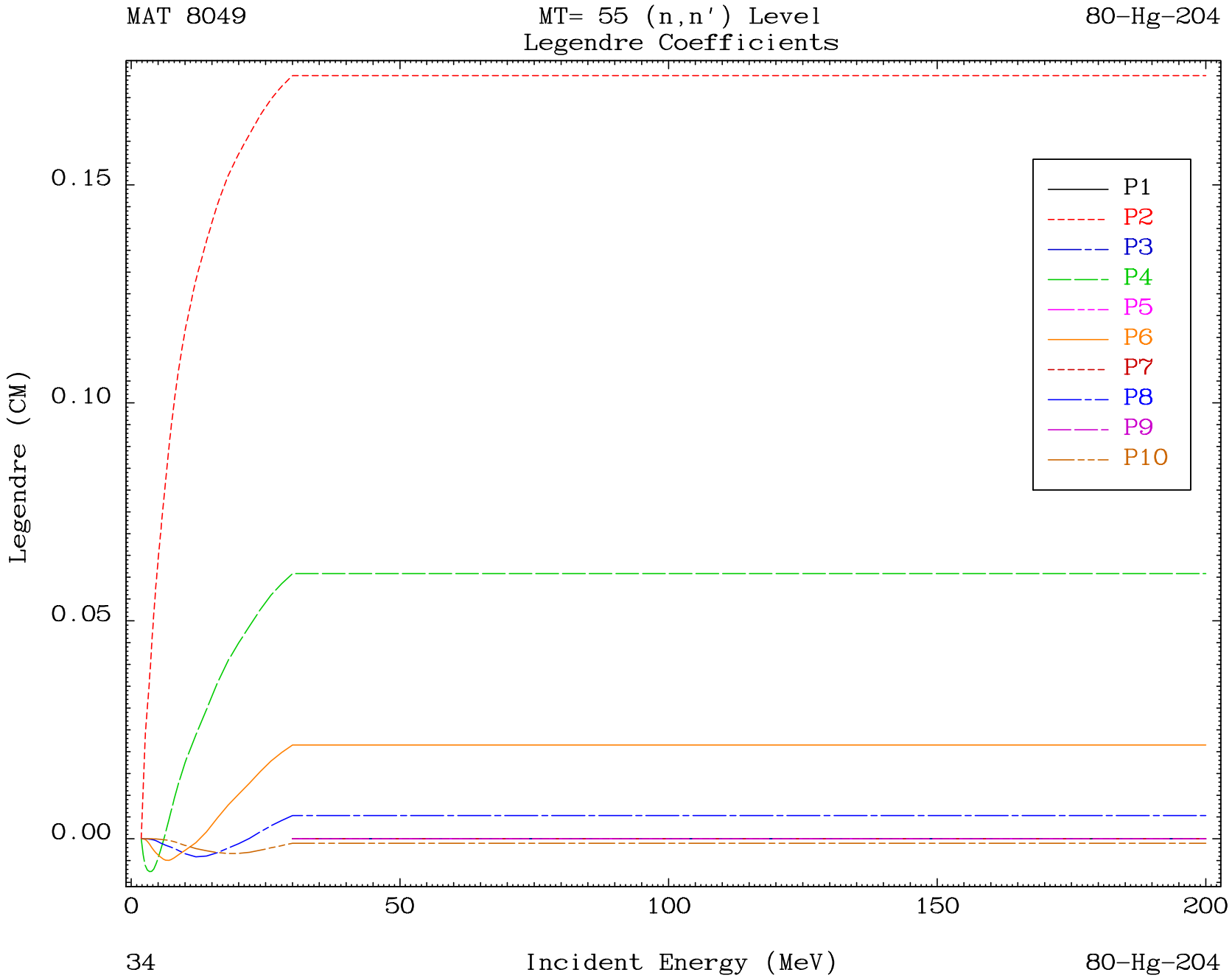

MAT 8049
MT= 53 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-4
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
29
Incident Energy (MeV)
80-Hg-204

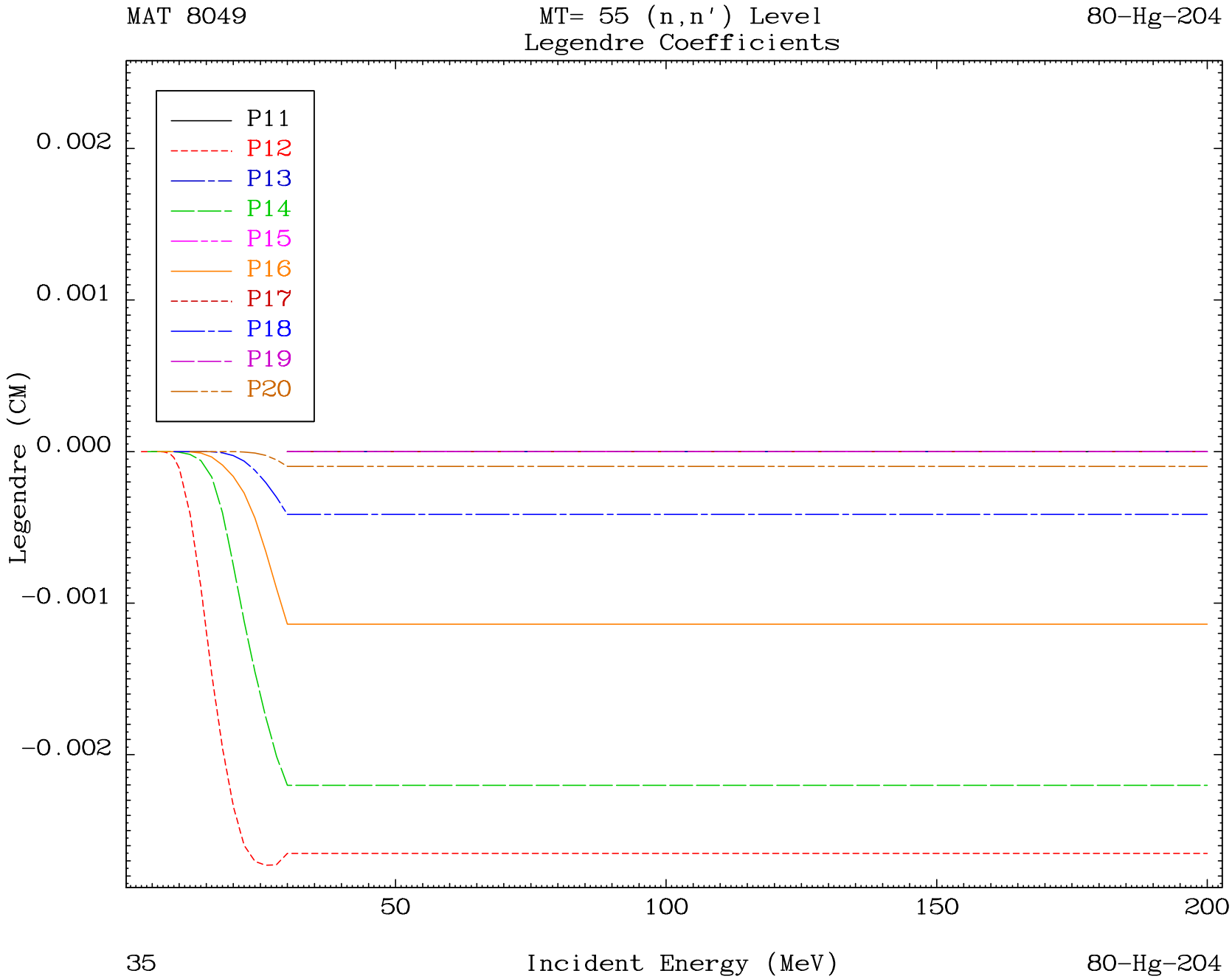

MAT 8049
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
30
Incident Energy (MeV)
80-Hg-204

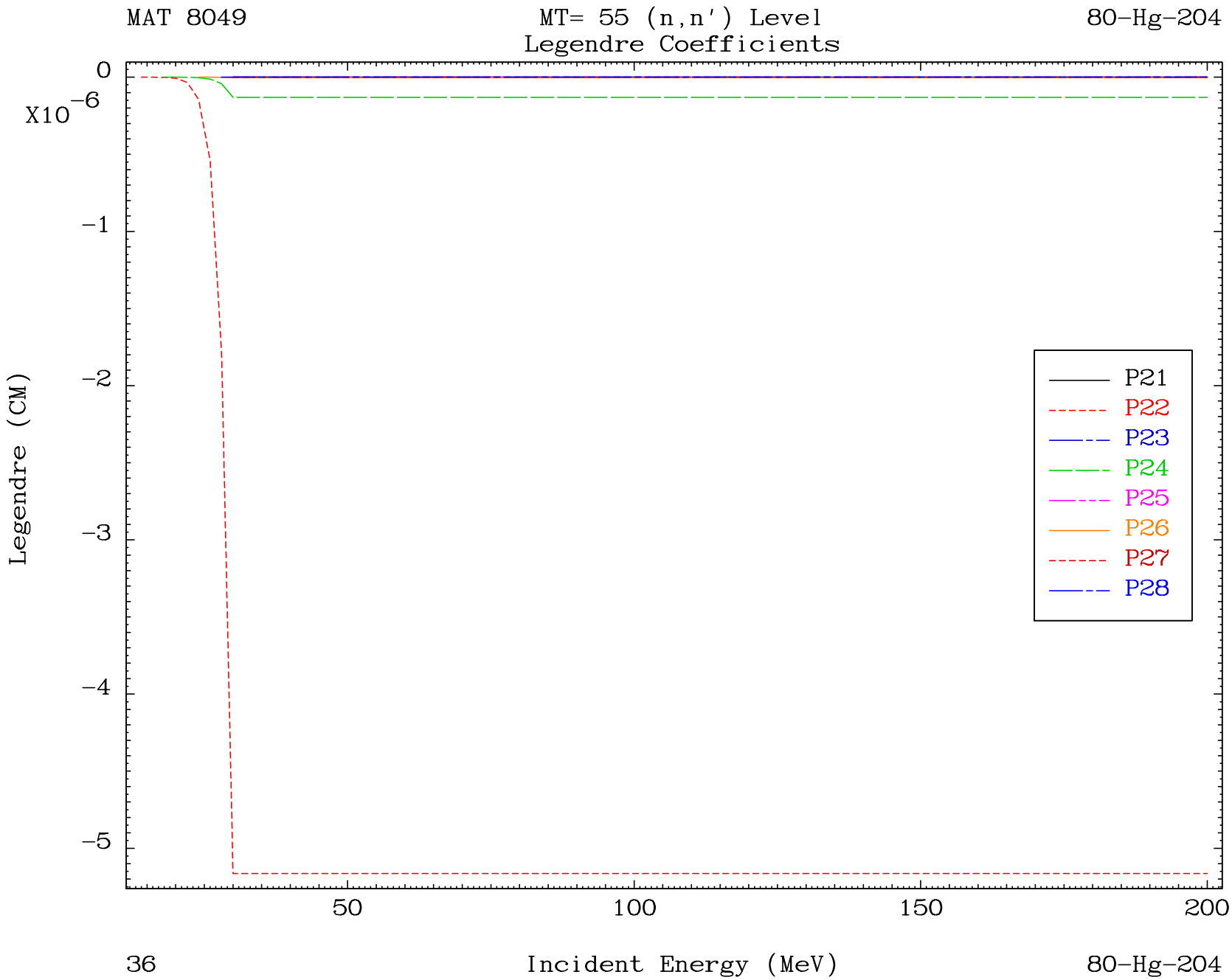

MAT 8049
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
31
Incident Energy (MeV)
80-Hg-204

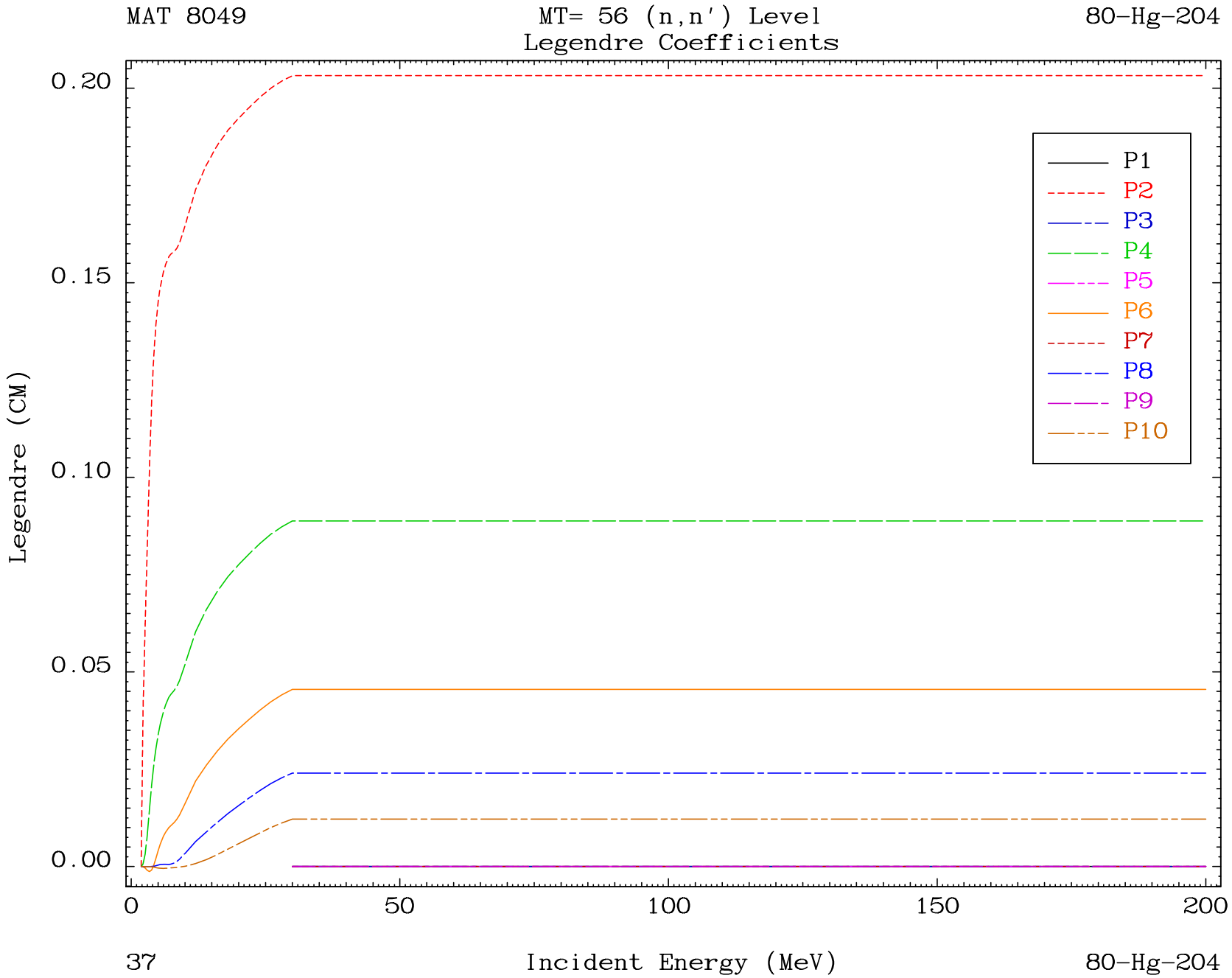

MAT 8049
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.020
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
32
Incident Energy (MeV)
80-Hg-204

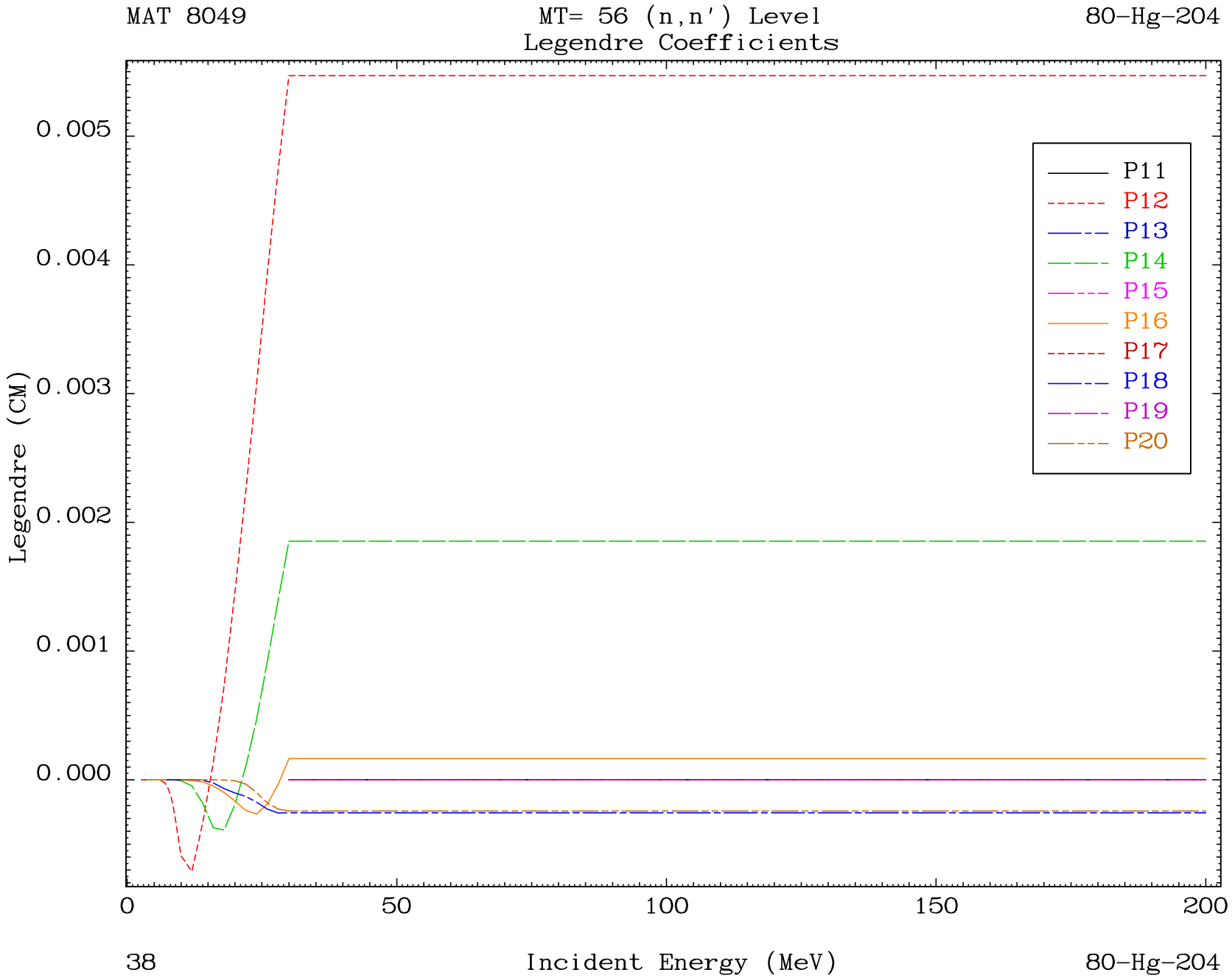

MAT 8049
MT= 54 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
33
Incident Energy (MeV)
80-Hg-204

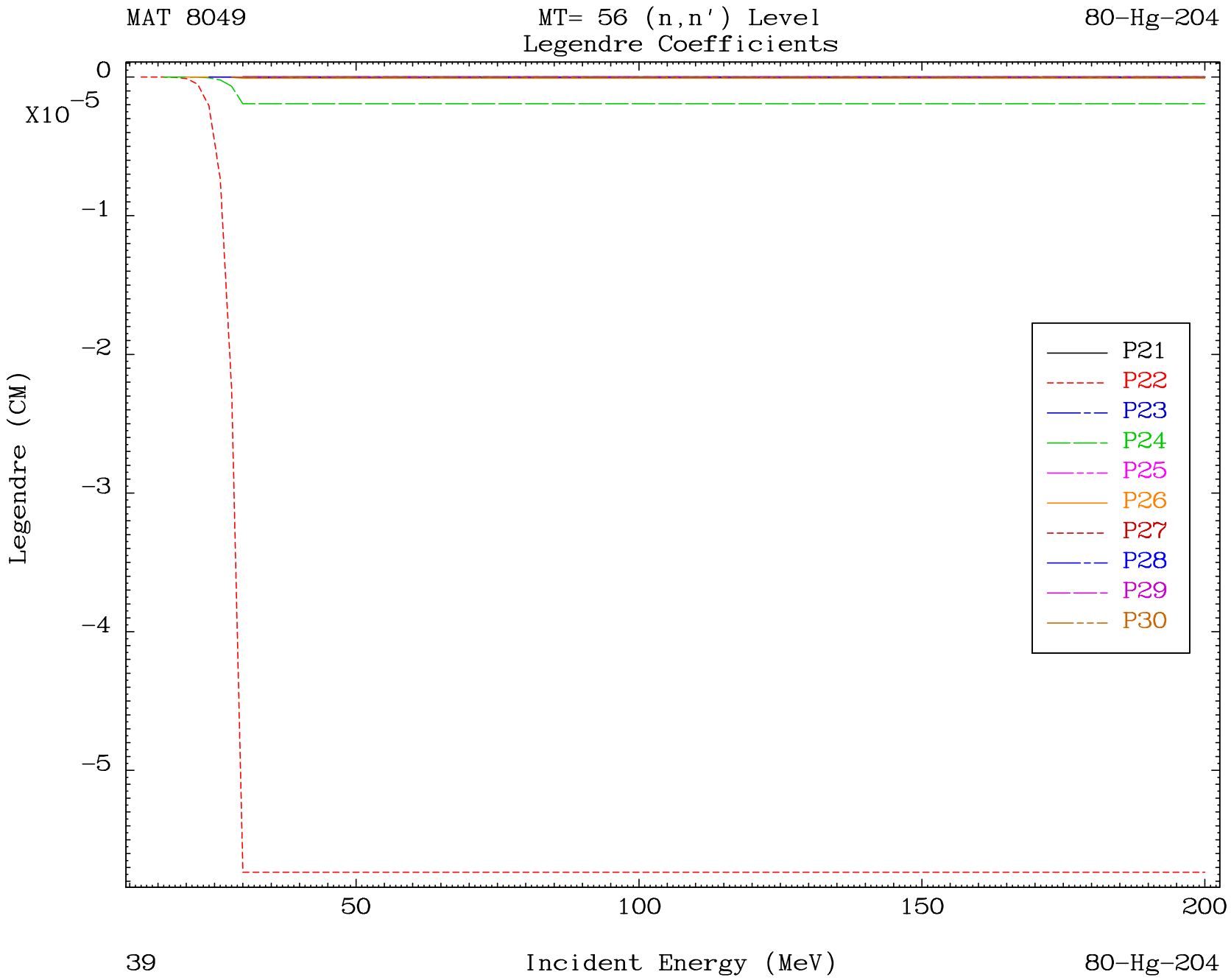

MAT 8049
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-204
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
34
Incident Energy (MeV)
80-Hg-204

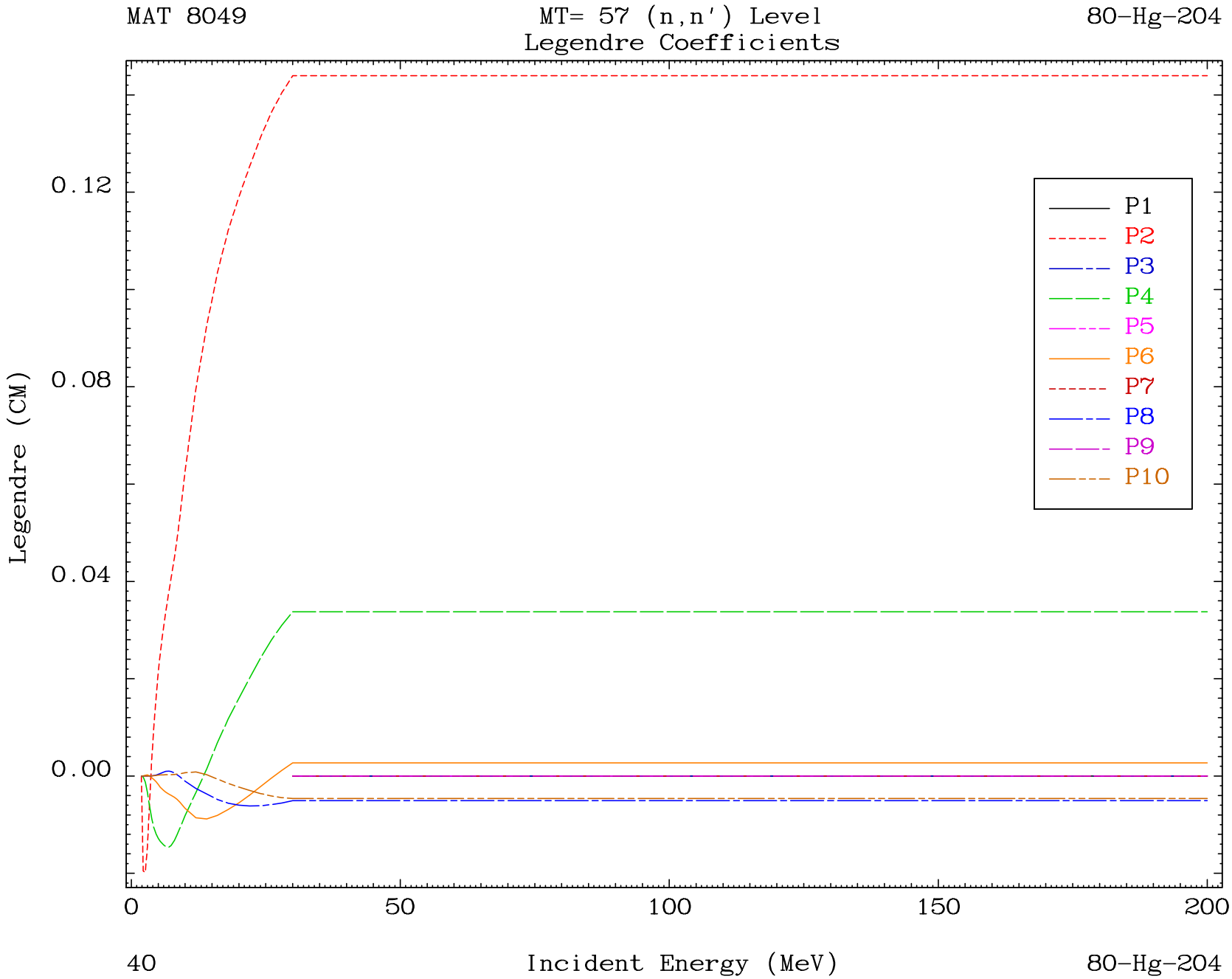

MAT 8049
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.002
0.001
0.000
-0.001
-0.002
Legendre (CM)
50
100
150
200
35
Incident Energy (MeV)
80-Hg-204

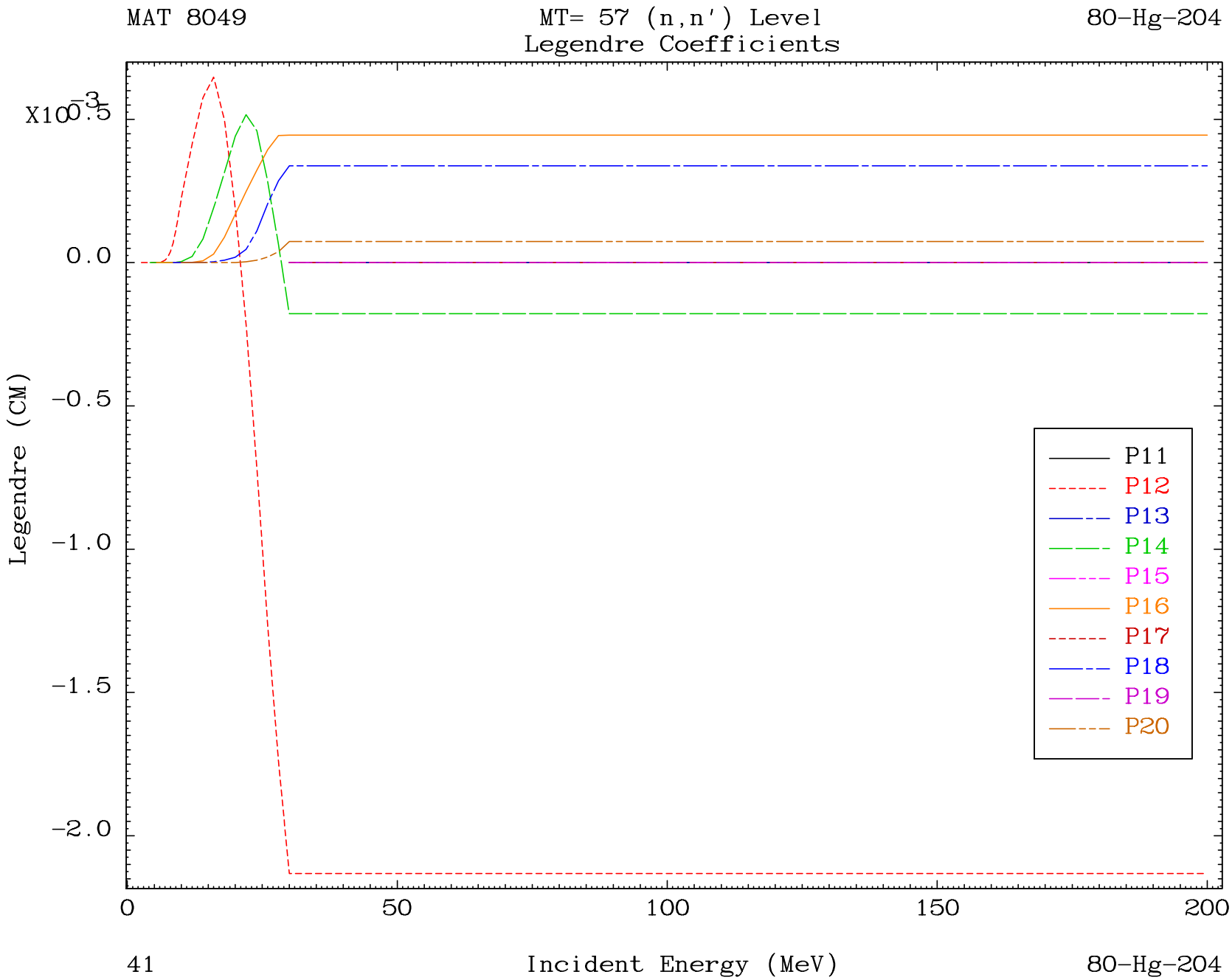

MAT 8049
MT= 55 (n,n') Level
Legendre Coefficients
80-Hg-204
0
X10 −6
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
36
Incident Energy (MeV)
80-Hg-204

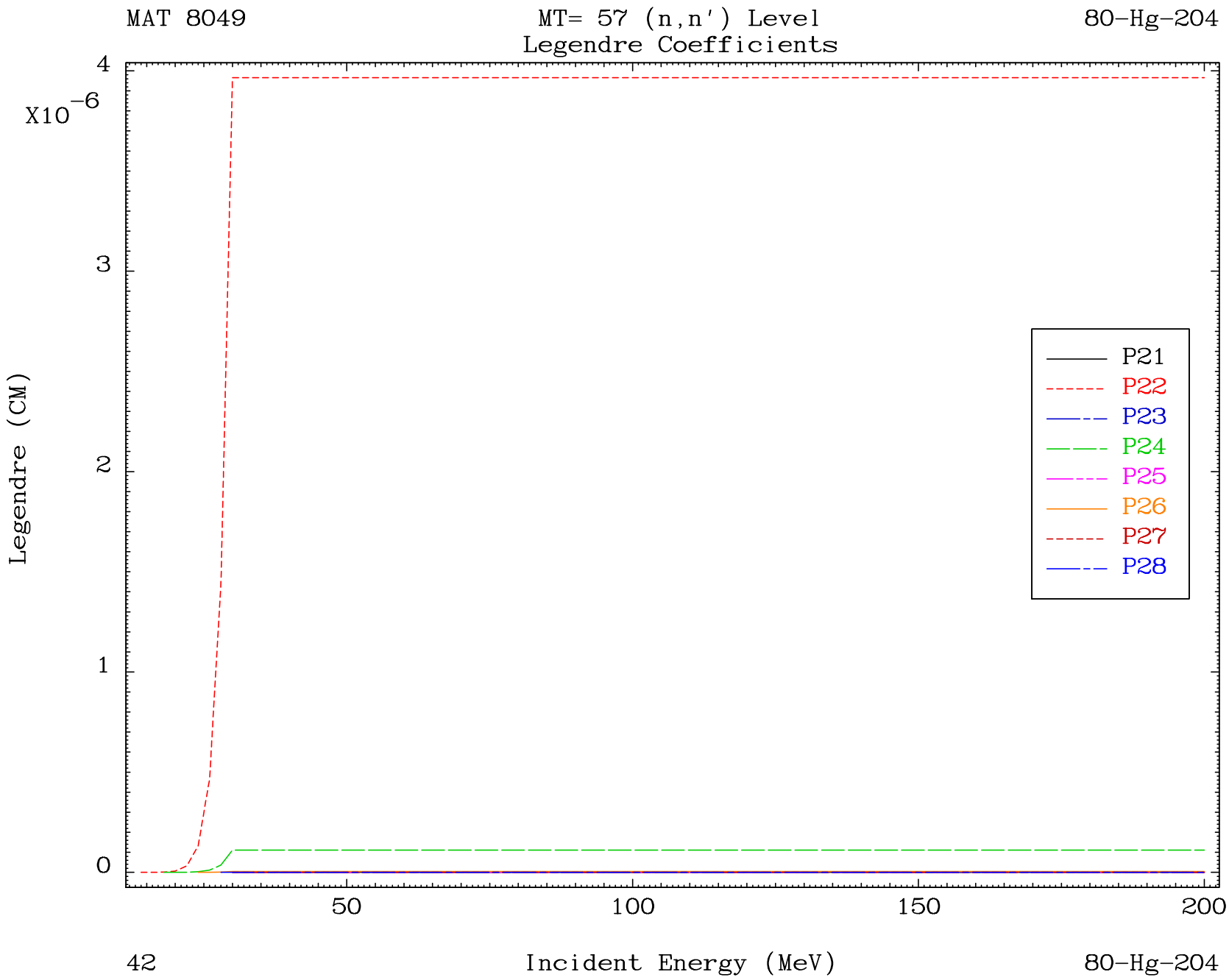

MAT 8049
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-204
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
37
Incident Energy (MeV)
80-Hg-204

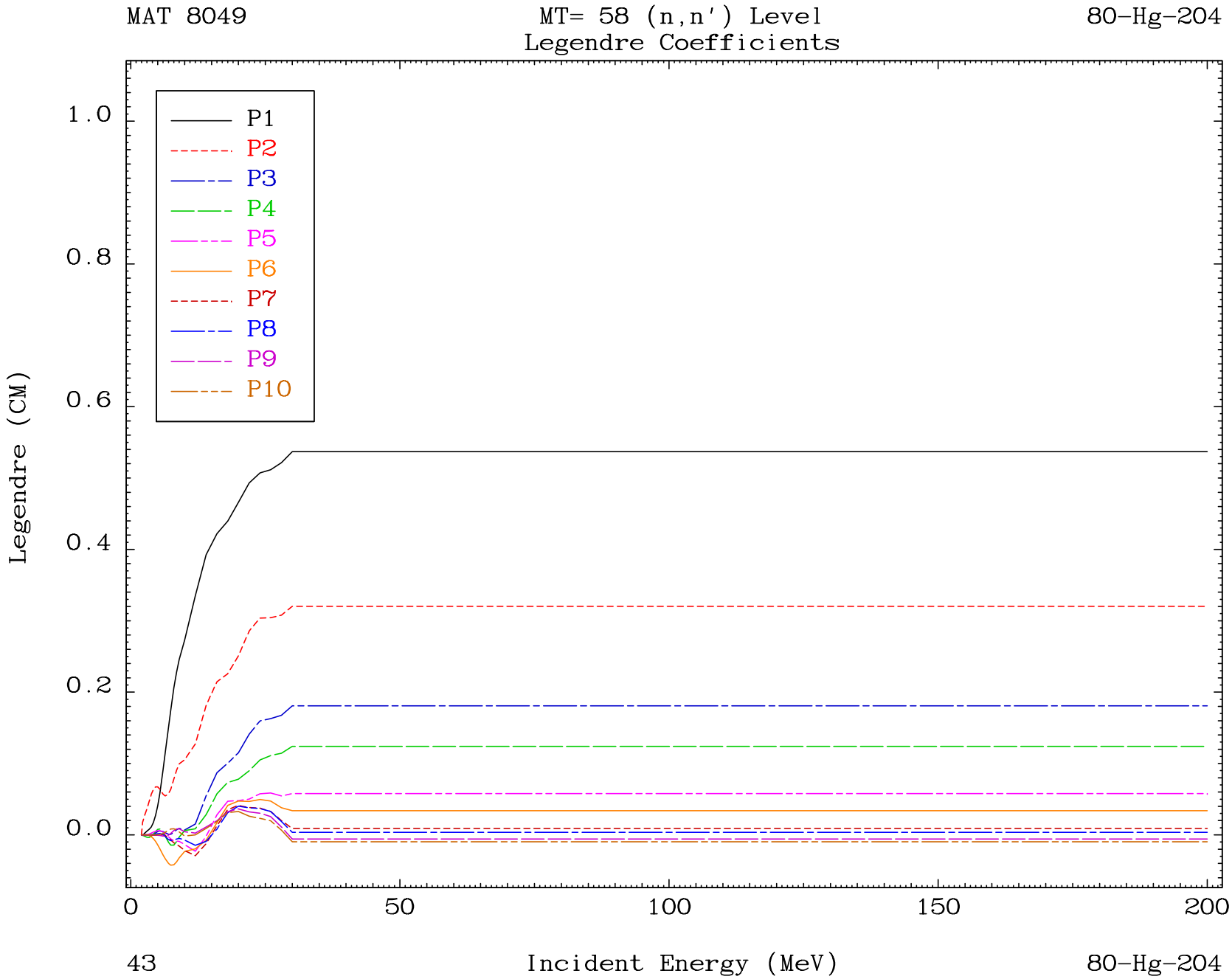

MAT 8049
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-204
0.005
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
38
Incident Energy (MeV)
80-Hg-204

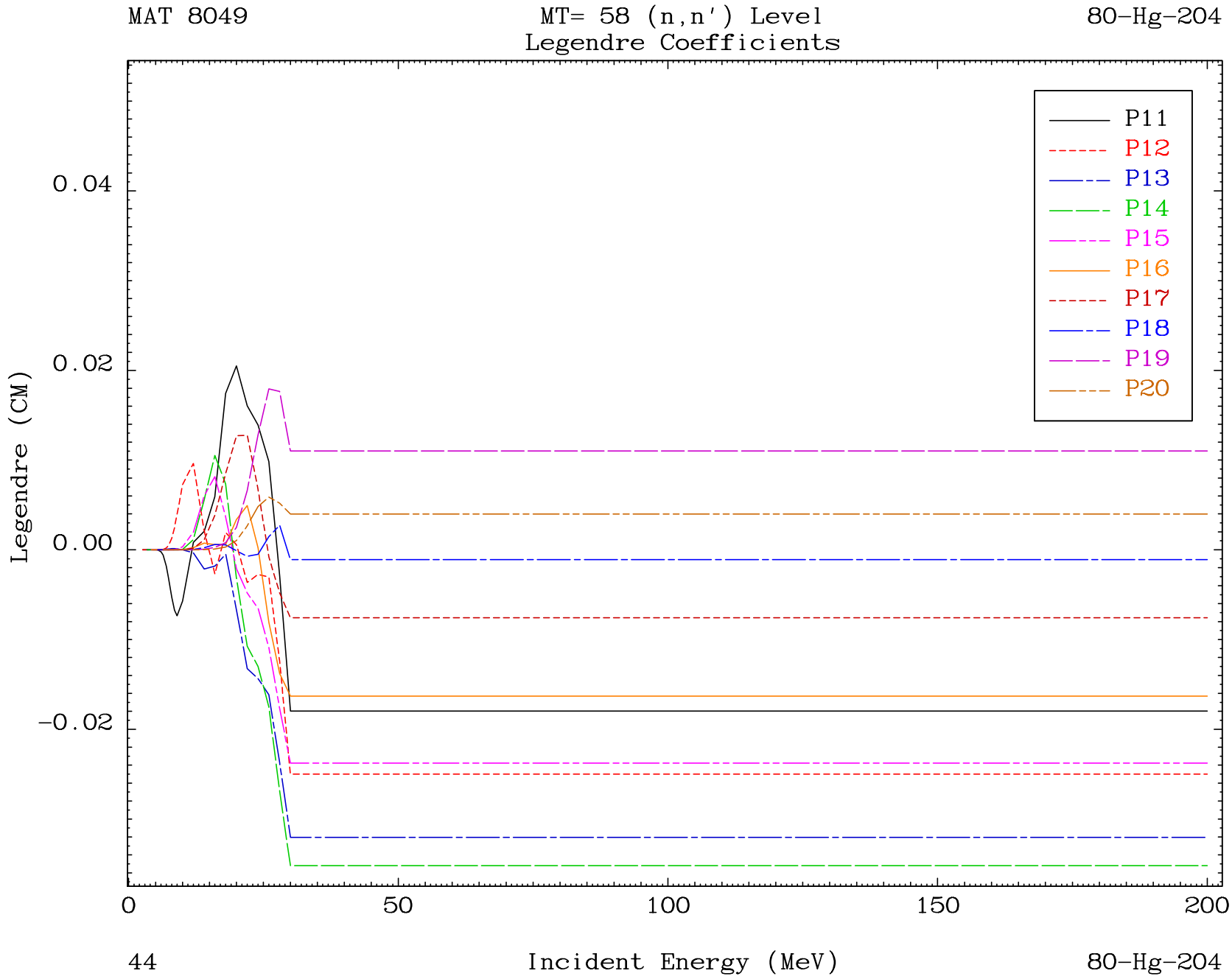

MAT 8049
MT= 56 (n,n') Level
Legendre Coefficients
80-Hg-204
0
X10 −5
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
39
Incident Energy (MeV)
80-Hg-204

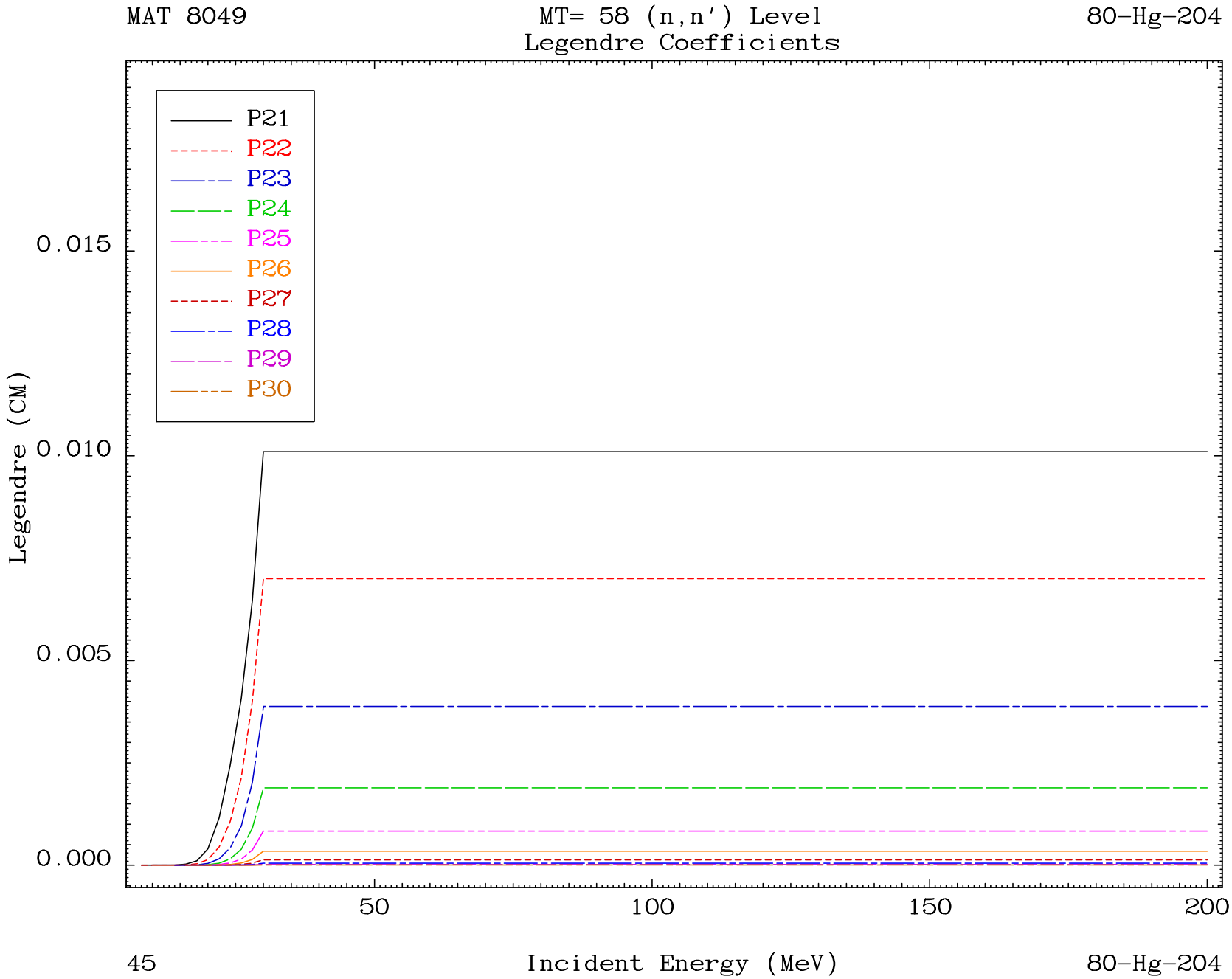

MAT 8049
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.12
0.08
0.04
0.00
0
50
100
150
200
40
Incident Energy (MeV)
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

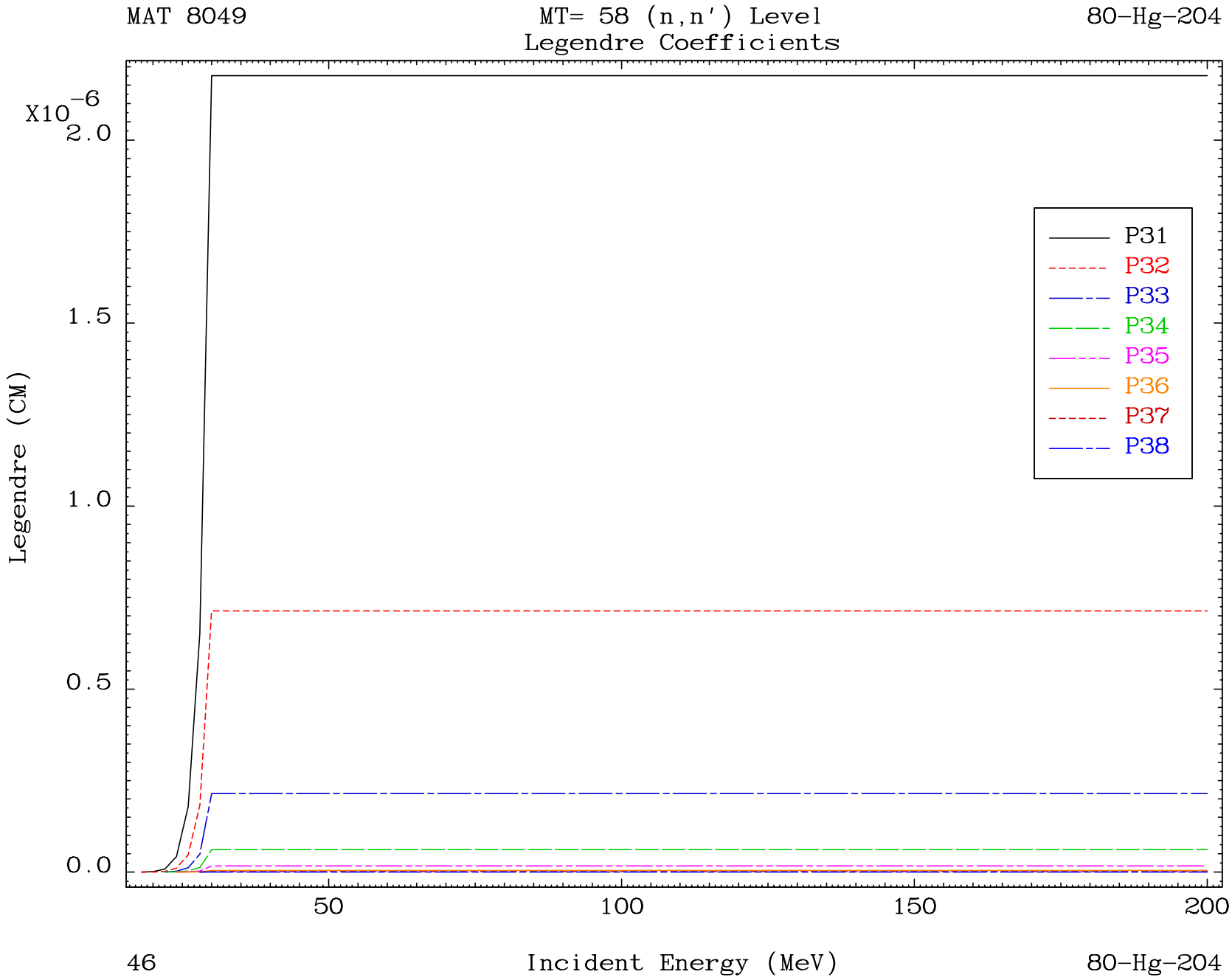

MAT 8049
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-204
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
0
50
100
150
200
41
Incident Energy (MeV)
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

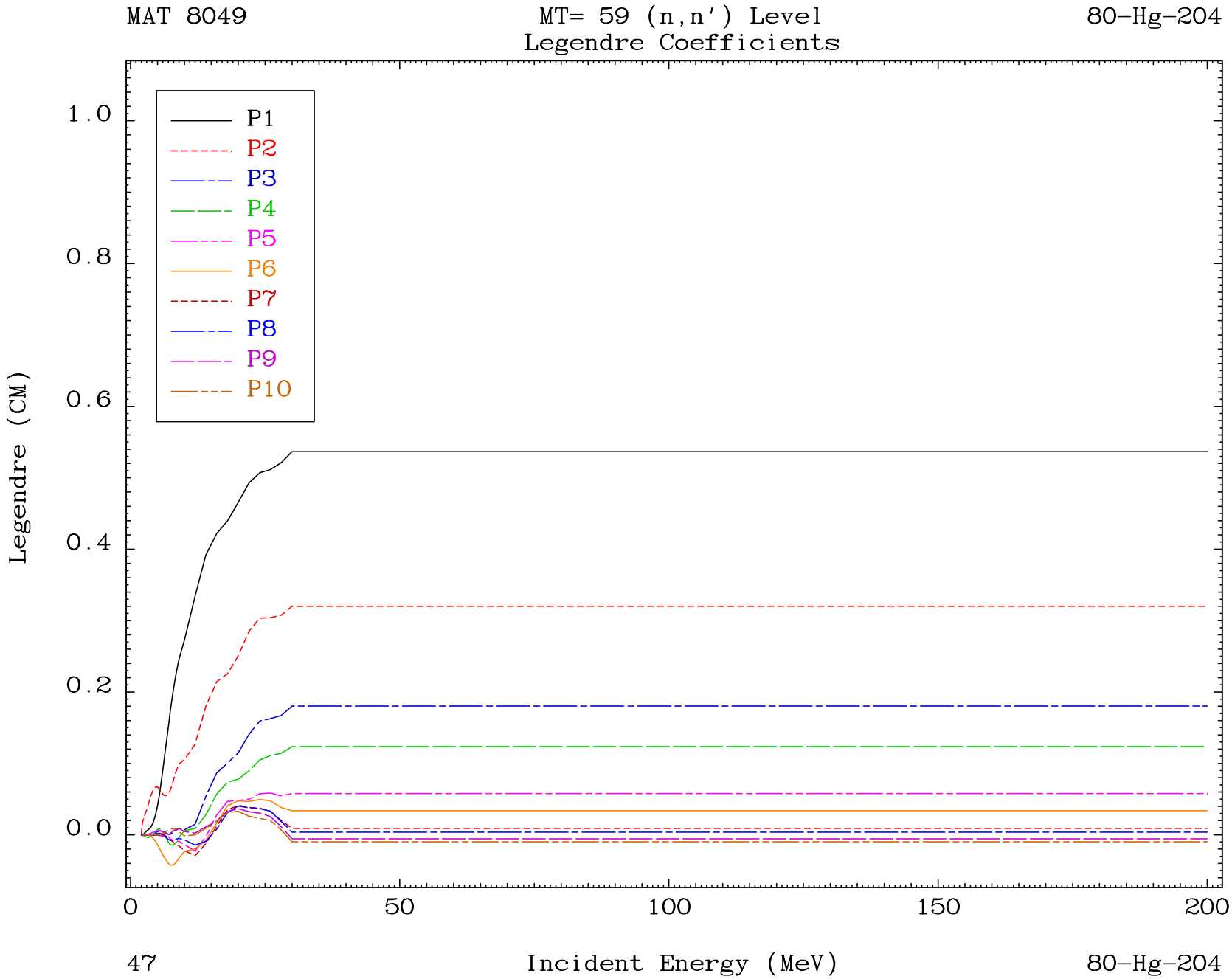

MAT 8049
MT= 57 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
4
3
2
1
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
42
Incident Energy (MeV)
80-Hg-204

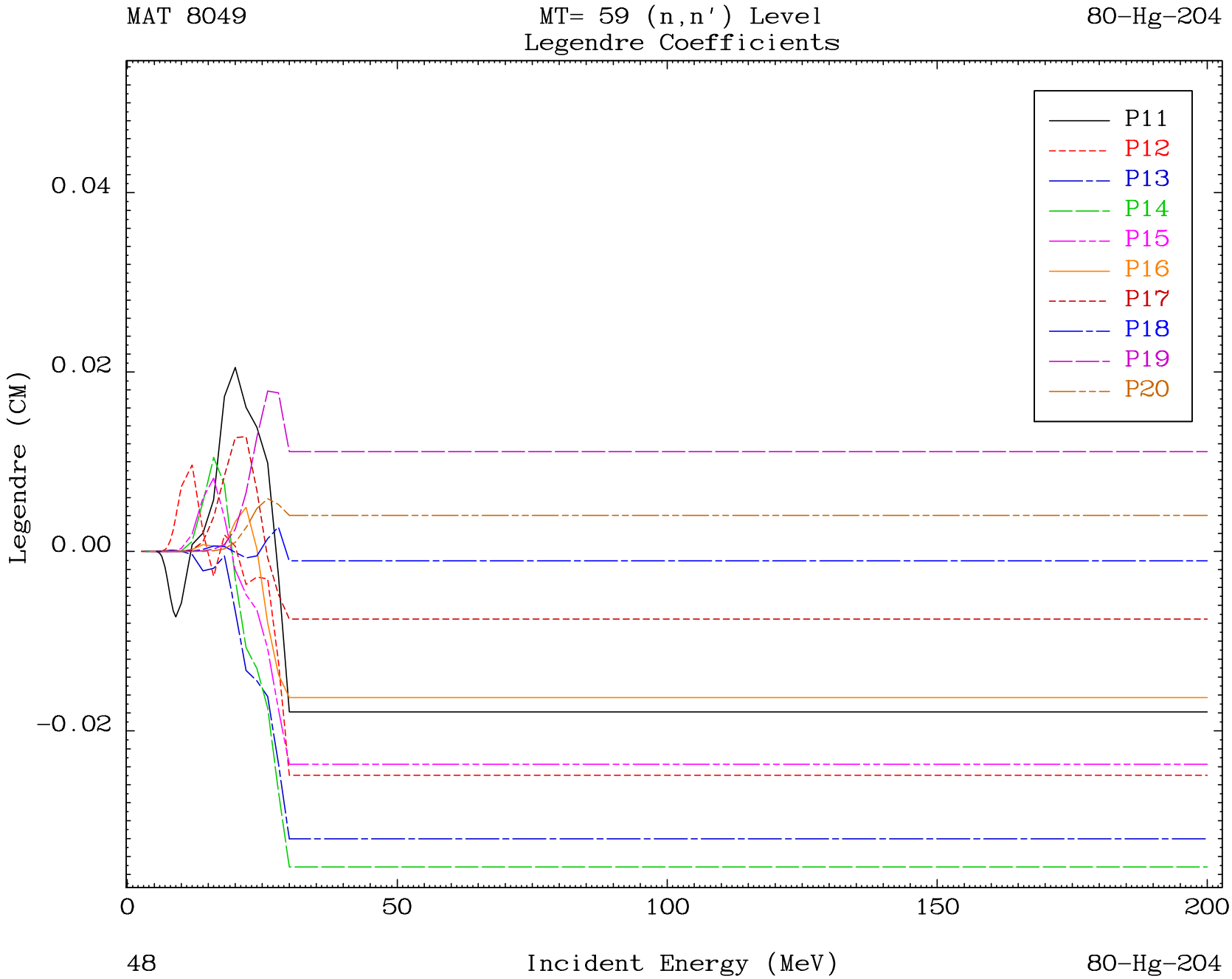

MAT 8049
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
43
Incident Energy (MeV)
80-Hg-204

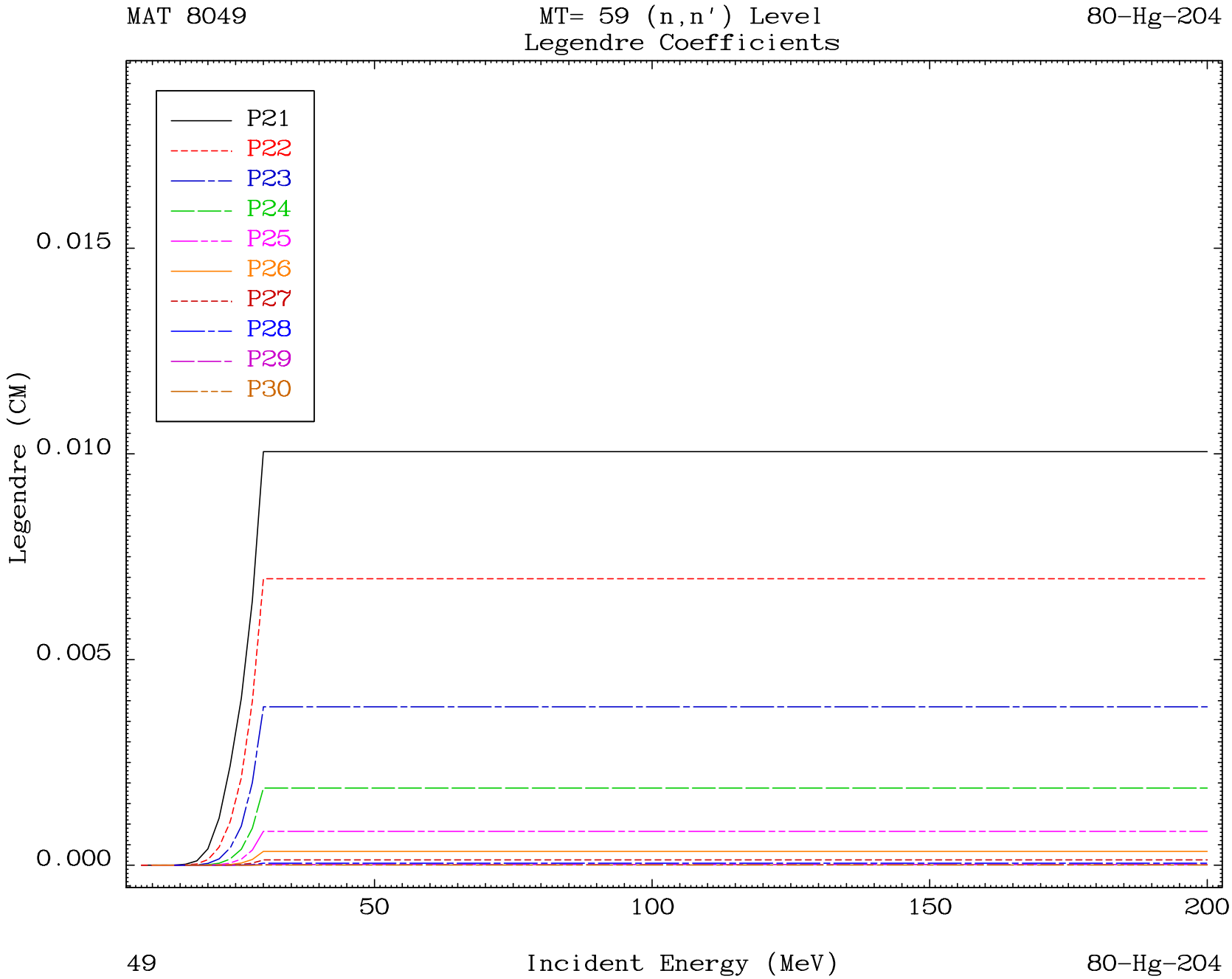

MAT 8049
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
44
Incident Energy (MeV)
80-Hg-204

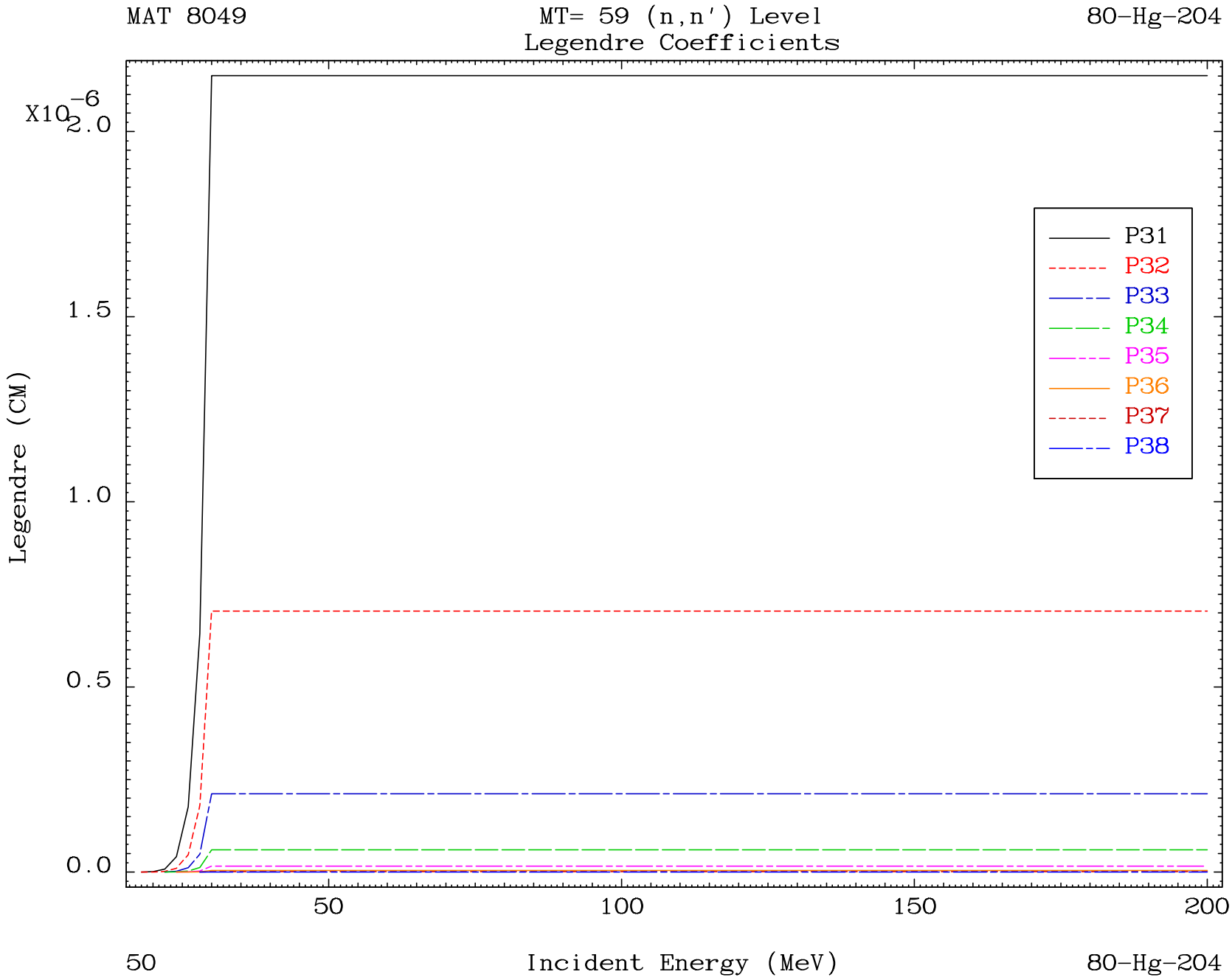

MAT 8049
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
45
Incident Energy (MeV)
80-Hg-204

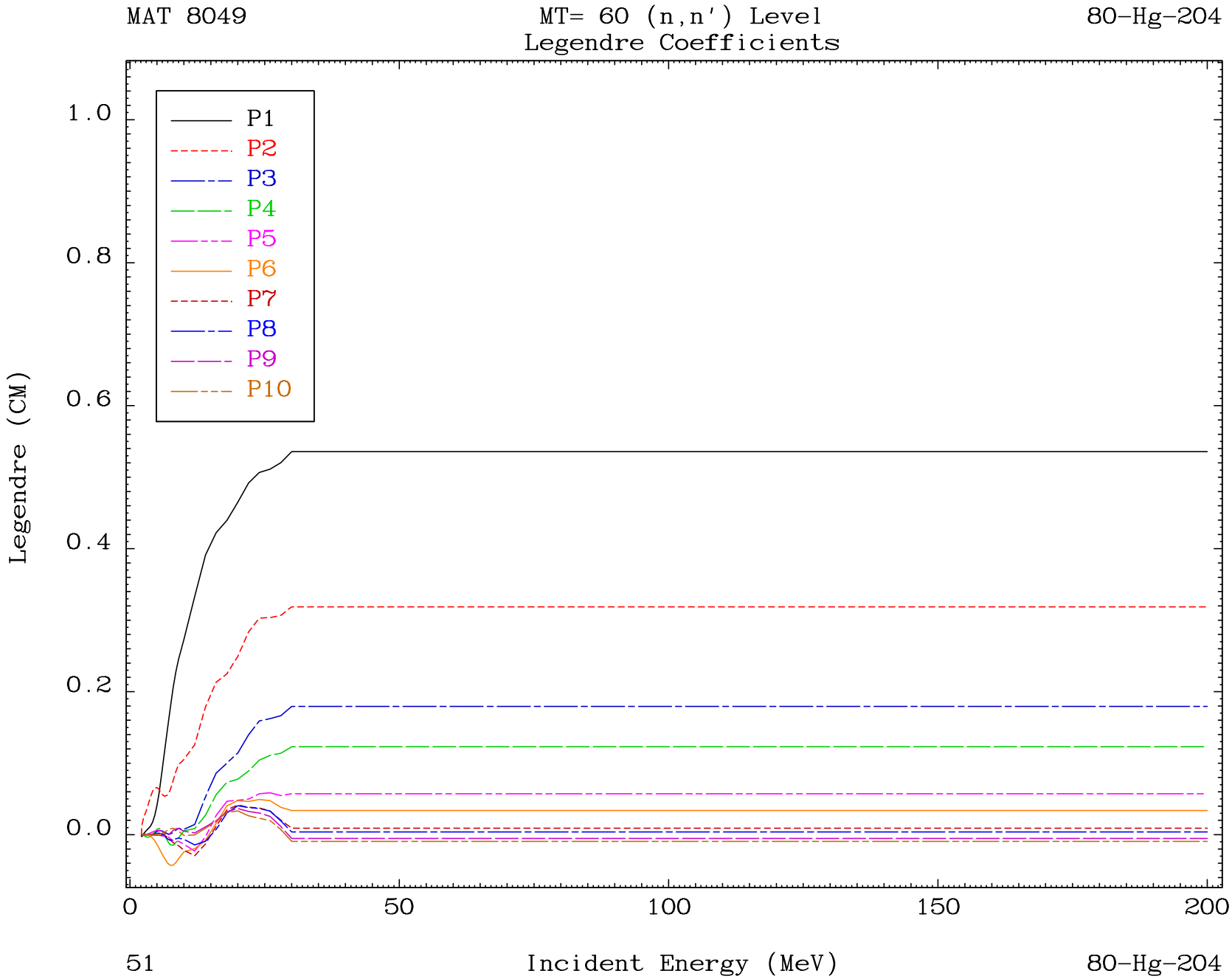

MAT 8049
MT= 58 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
46
Incident Energy (MeV)
80-Hg-204

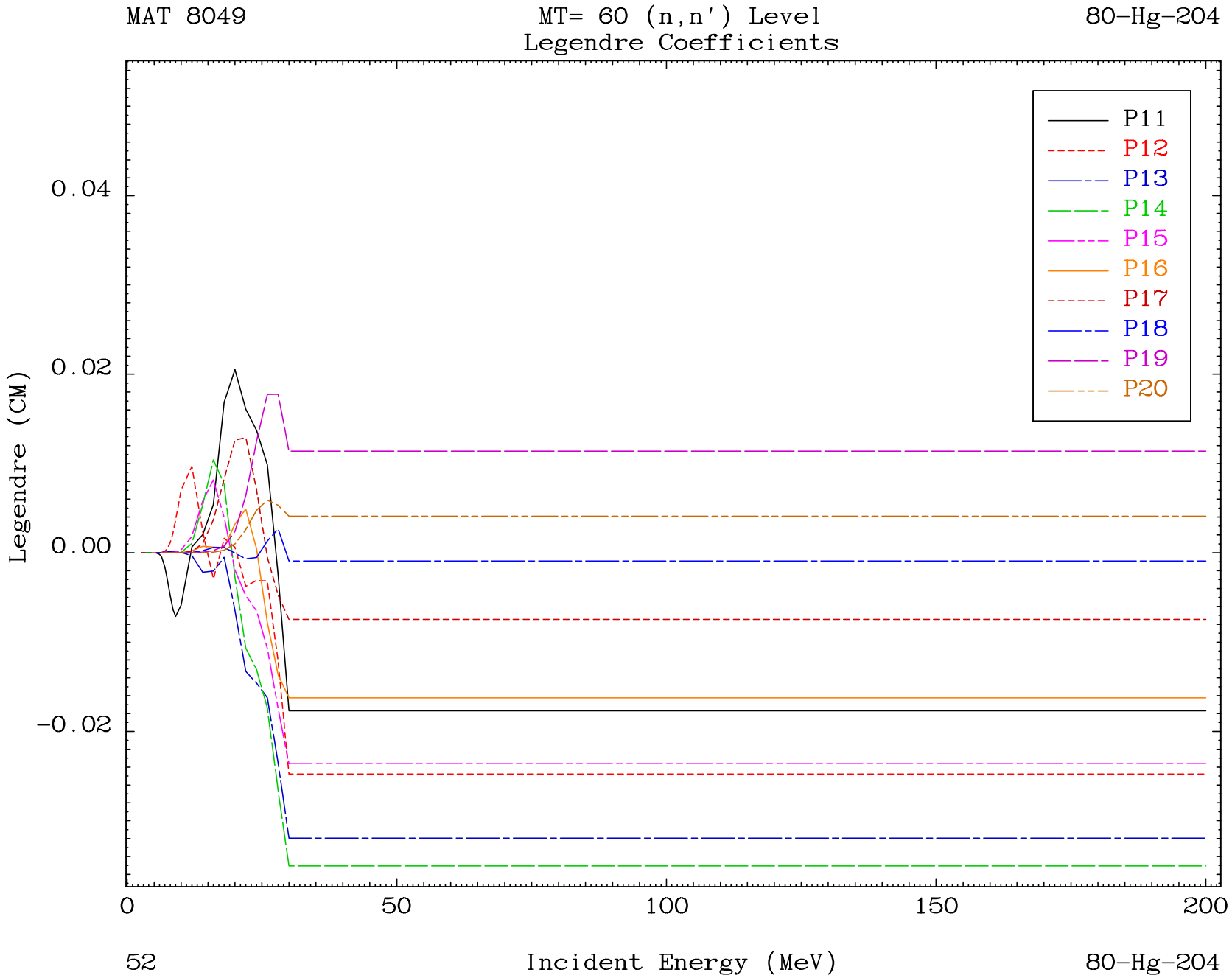

MAT 8049
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
47
Incident Energy (MeV)
80-Hg-204

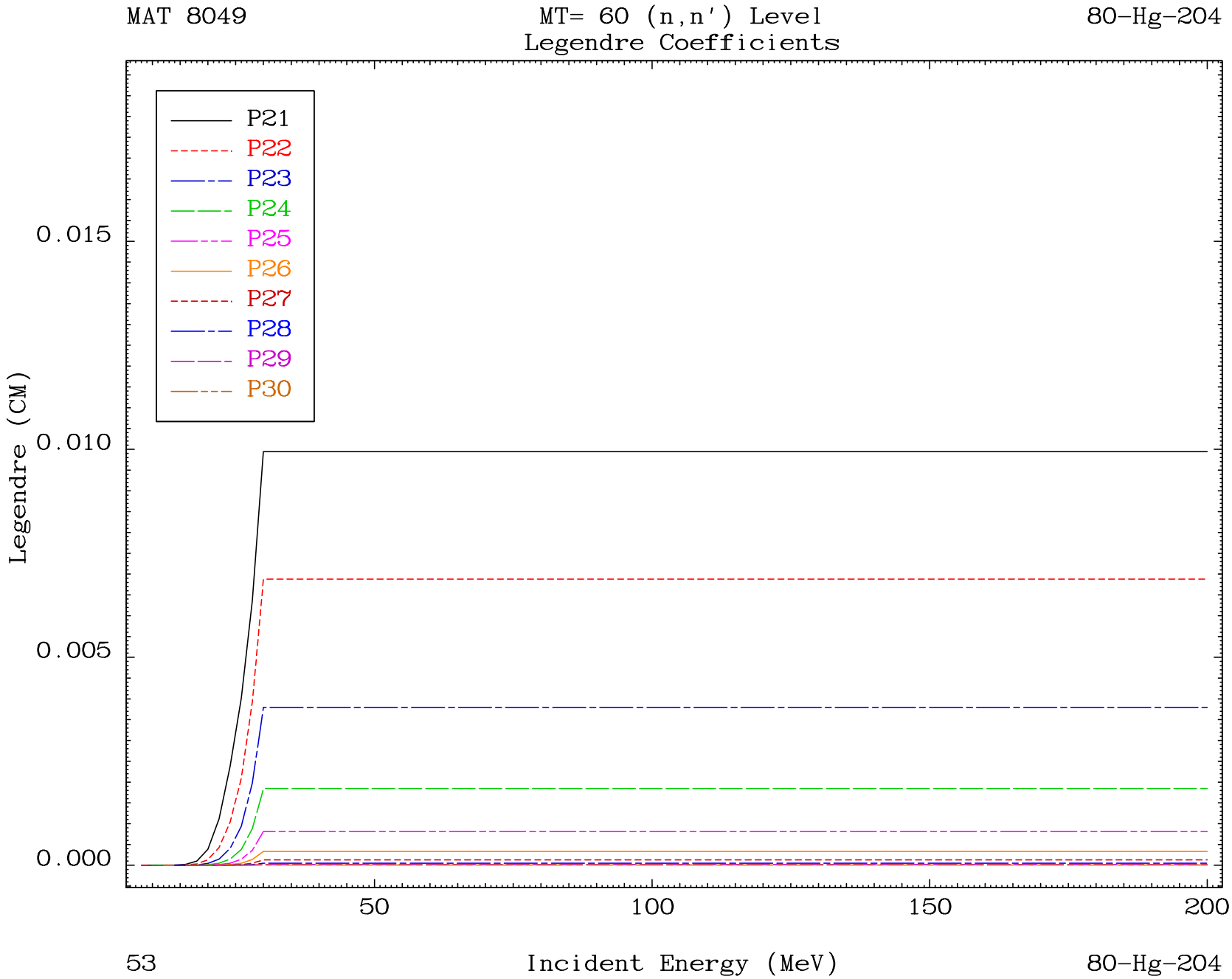

MAT 8049
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
48
Incident Energy (MeV)
80-Hg-204

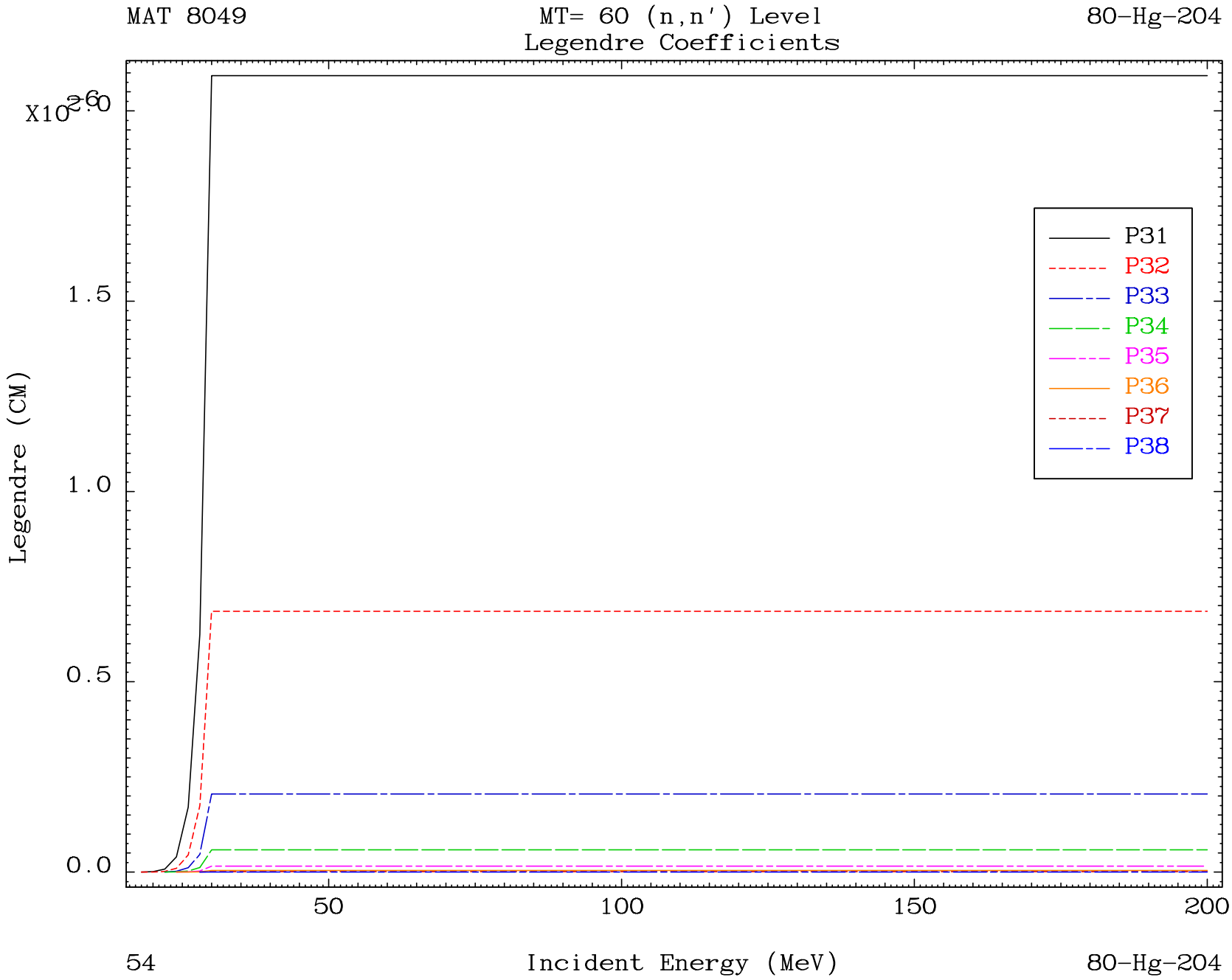

MAT 8049
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
49
Incident Energy (MeV)
80-Hg-204

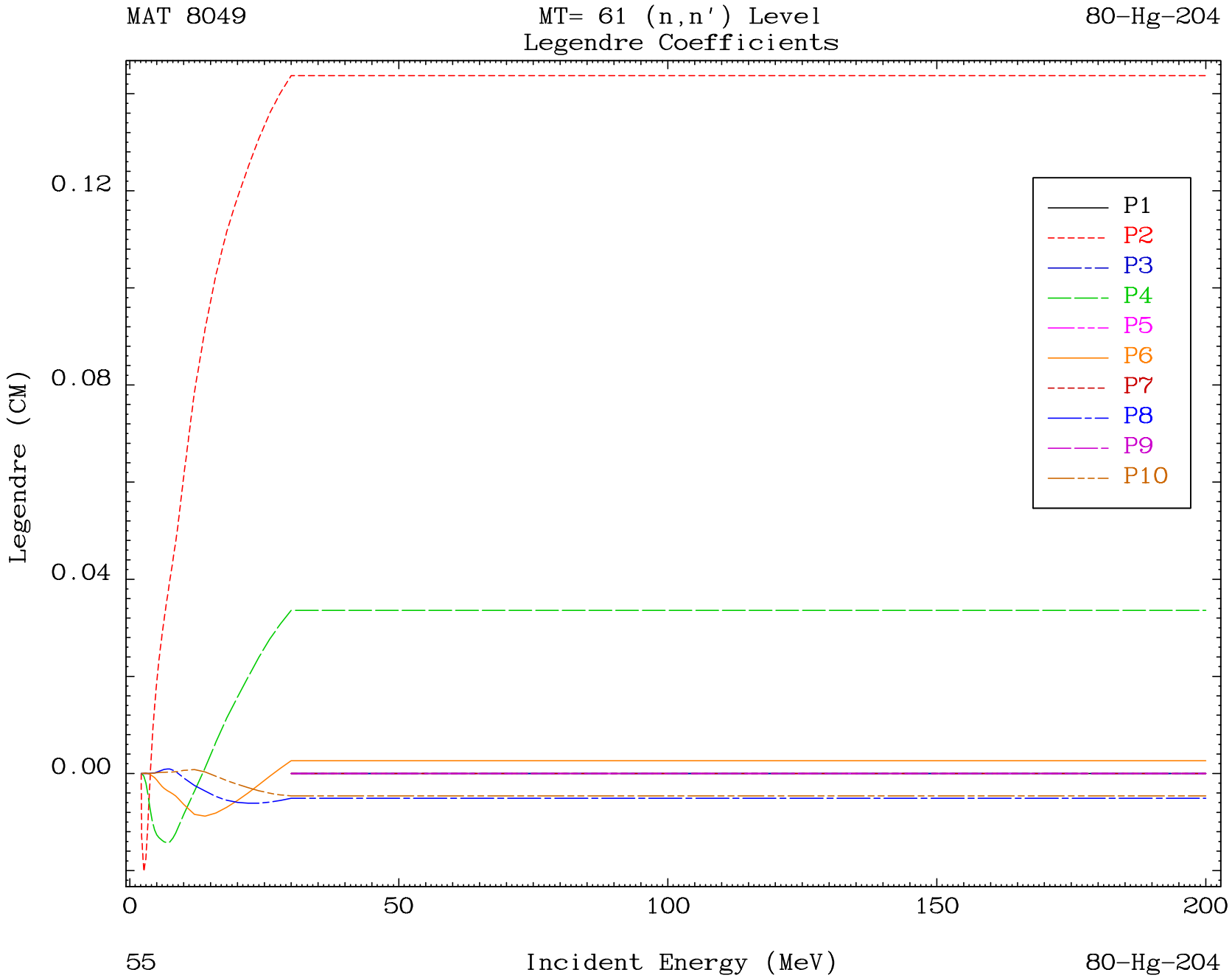

MAT 8049
MT= 59 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
50
Incident Energy (MeV)
80-Hg-204

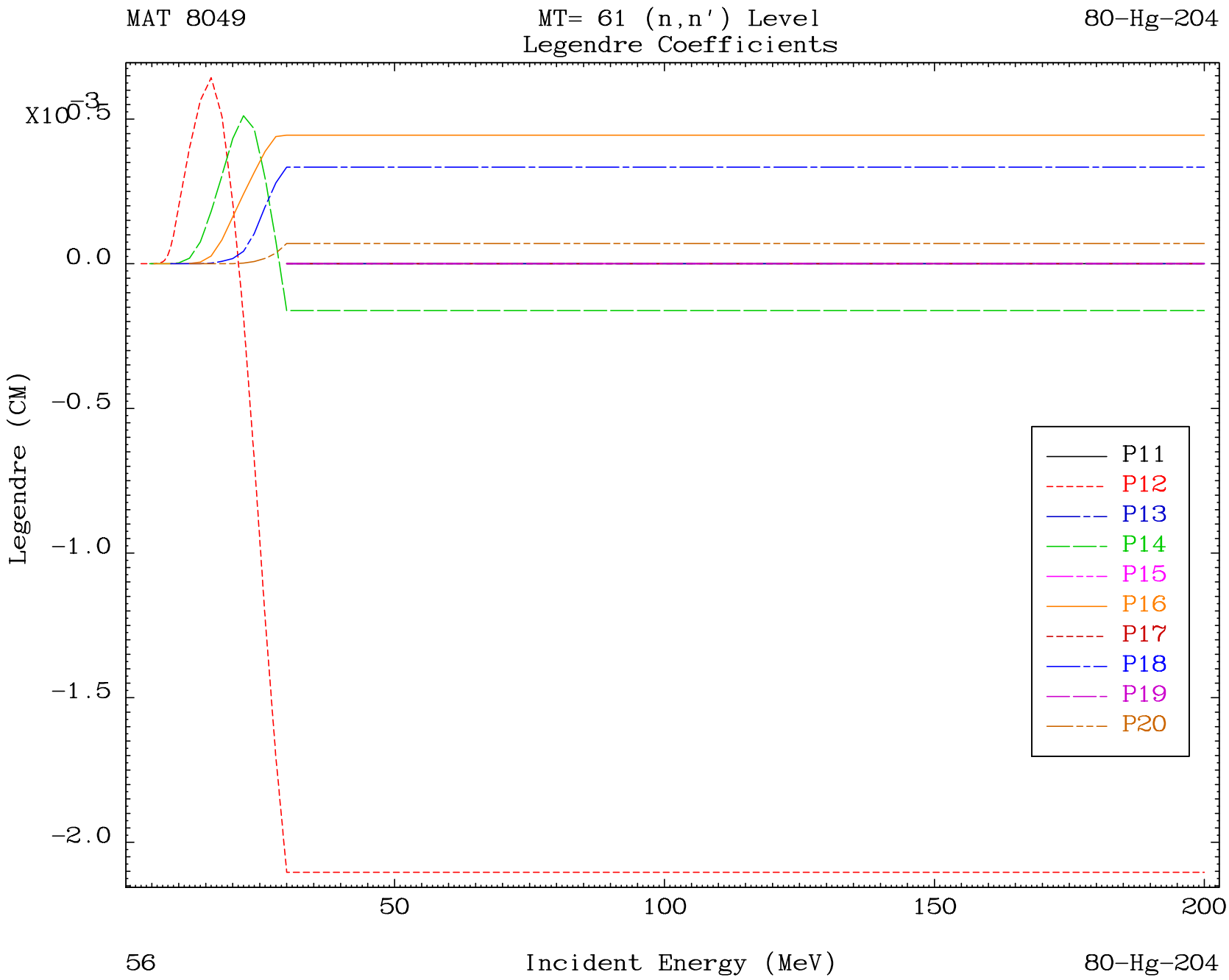

MAT 8049
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
51
Incident Energy (MeV)
80-Hg-204

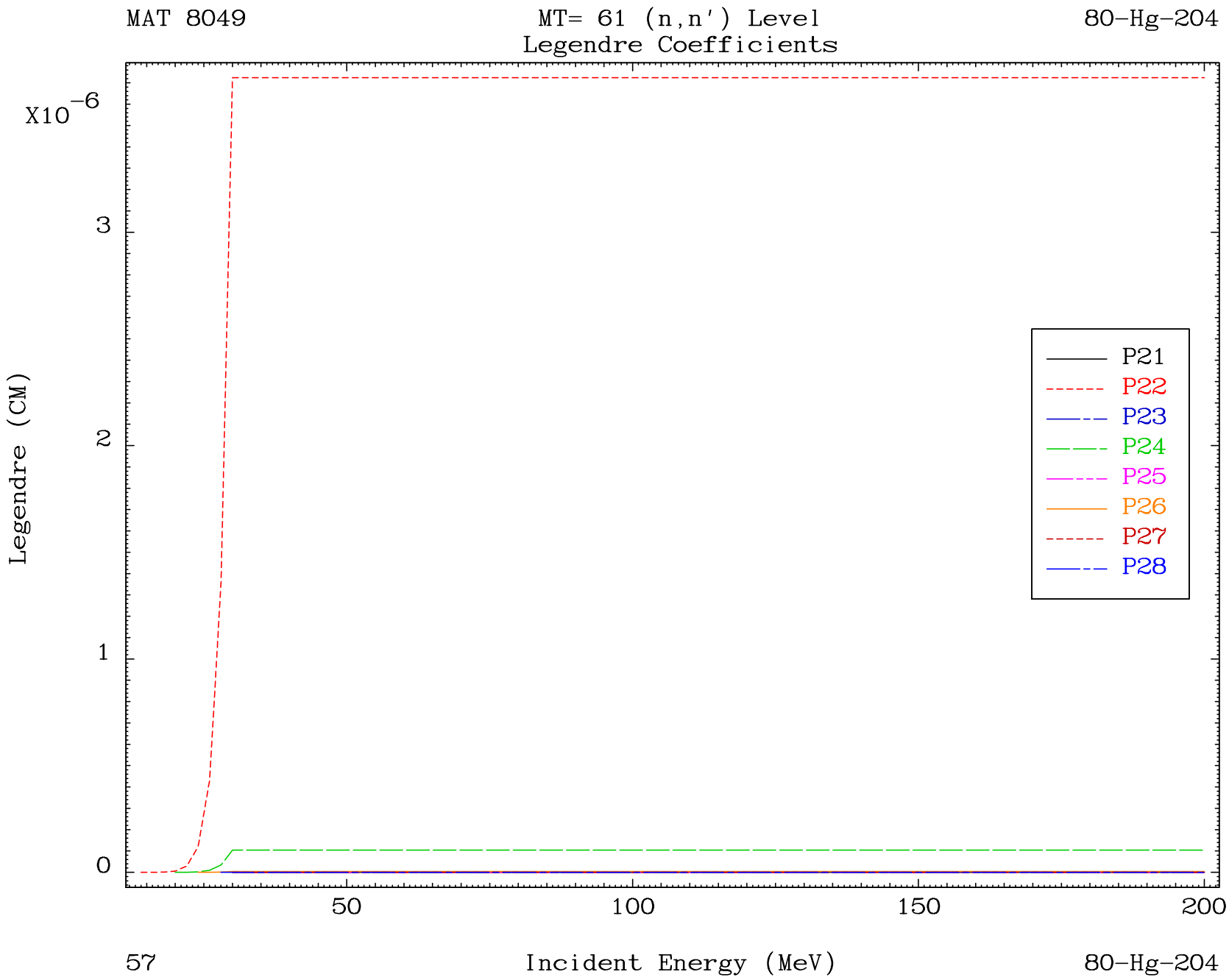

MAT 8049
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
52
Incident Energy (MeV)
80-Hg-204

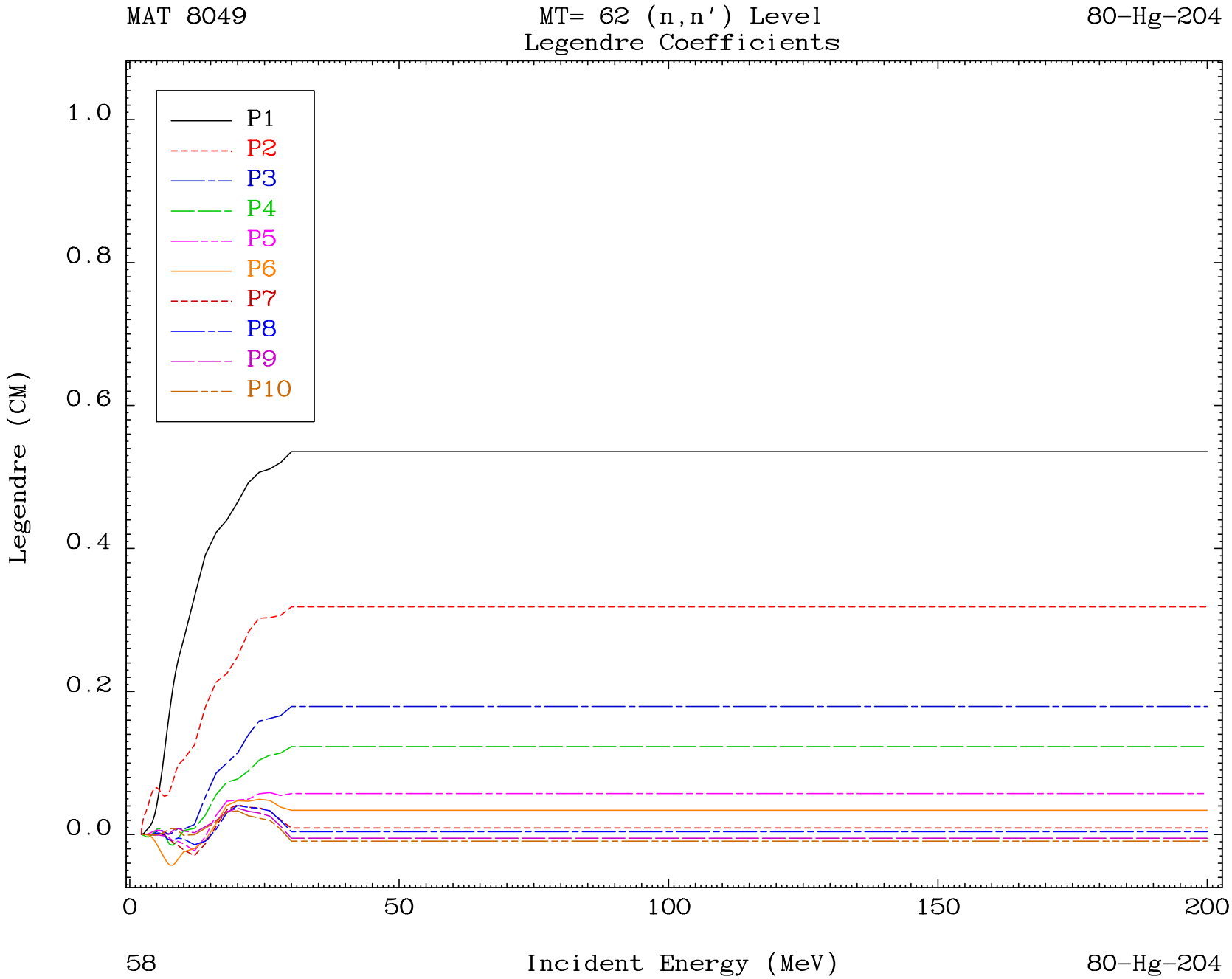

MAT 8049
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
80-Hg-204

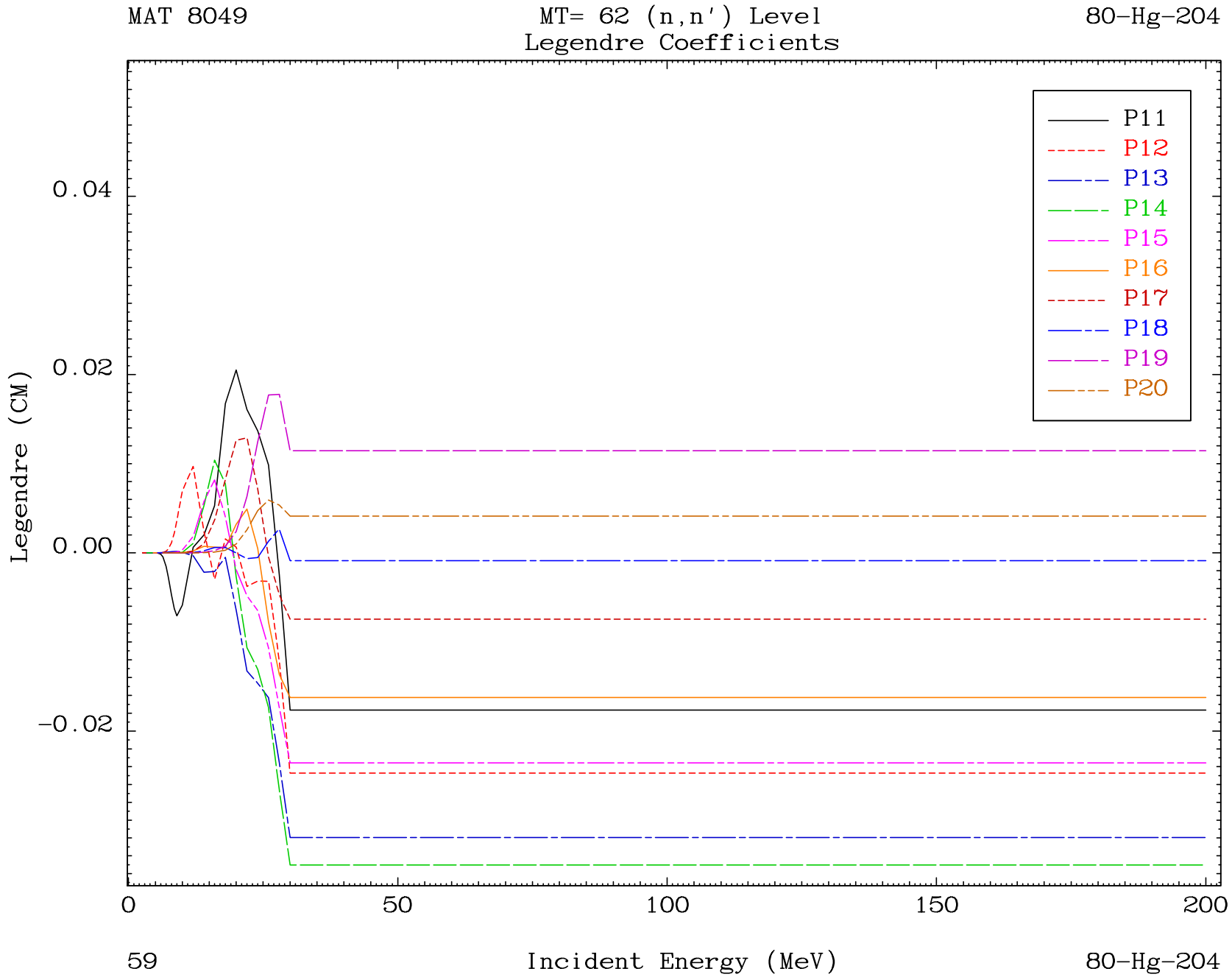

MAT 8049
MT= 60 (n,n') Level
Legendre Coefficients
80-Hg-204
X10
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
54
Incident Energy (MeV)
80-Hg-204

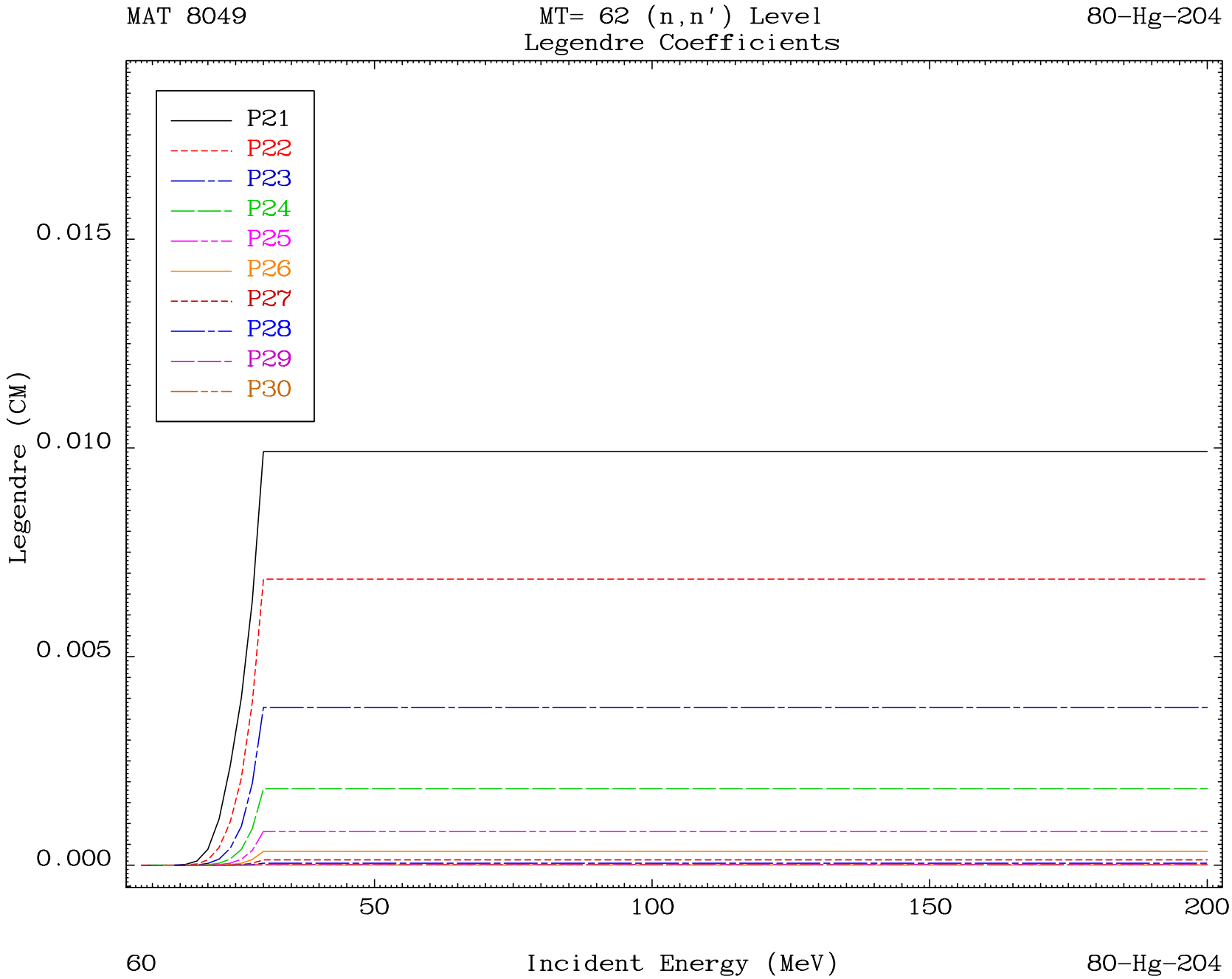

MAT 8049
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-204
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
55
Incident Energy (MeV)
80-Hg-204

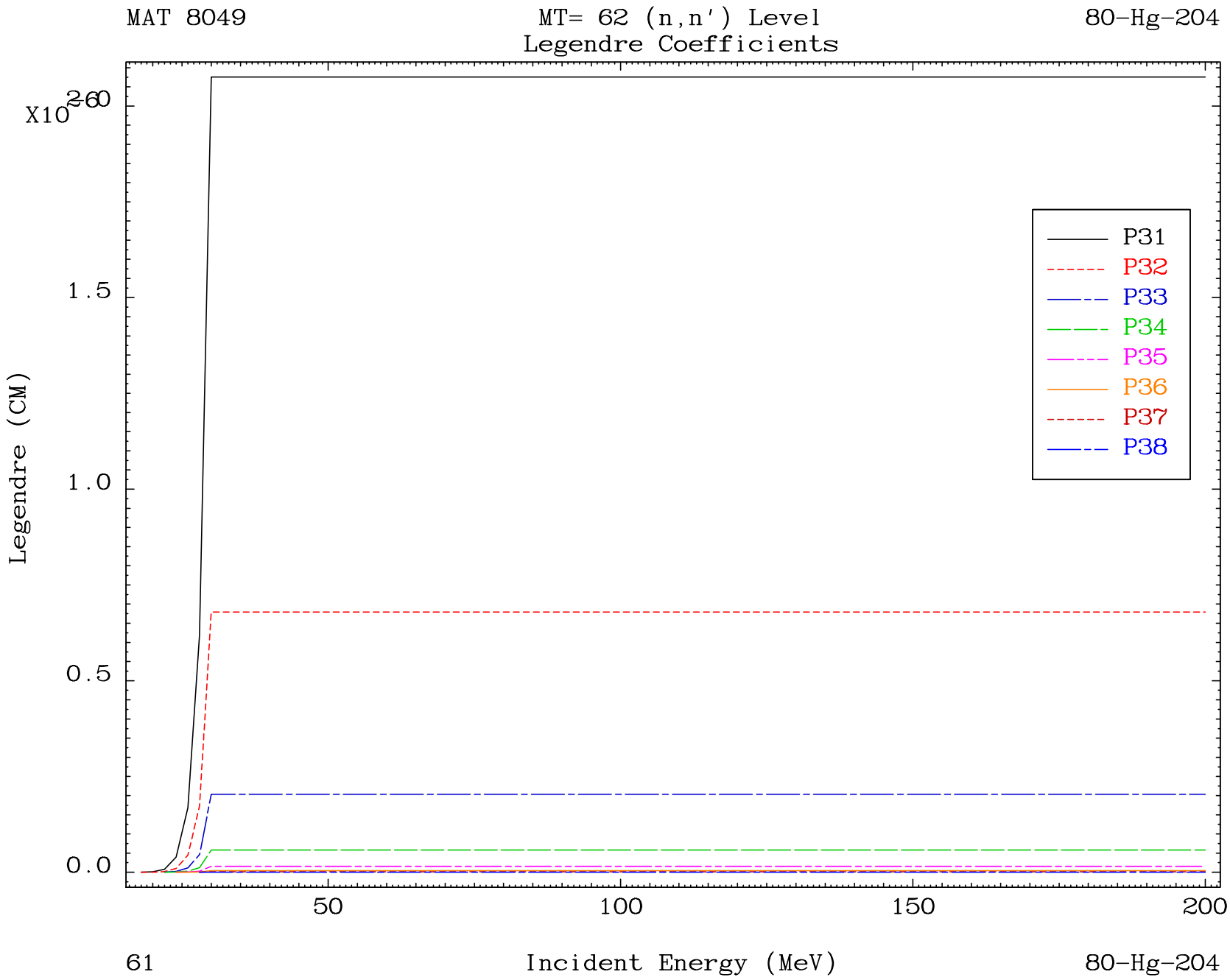

MAT 8049
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

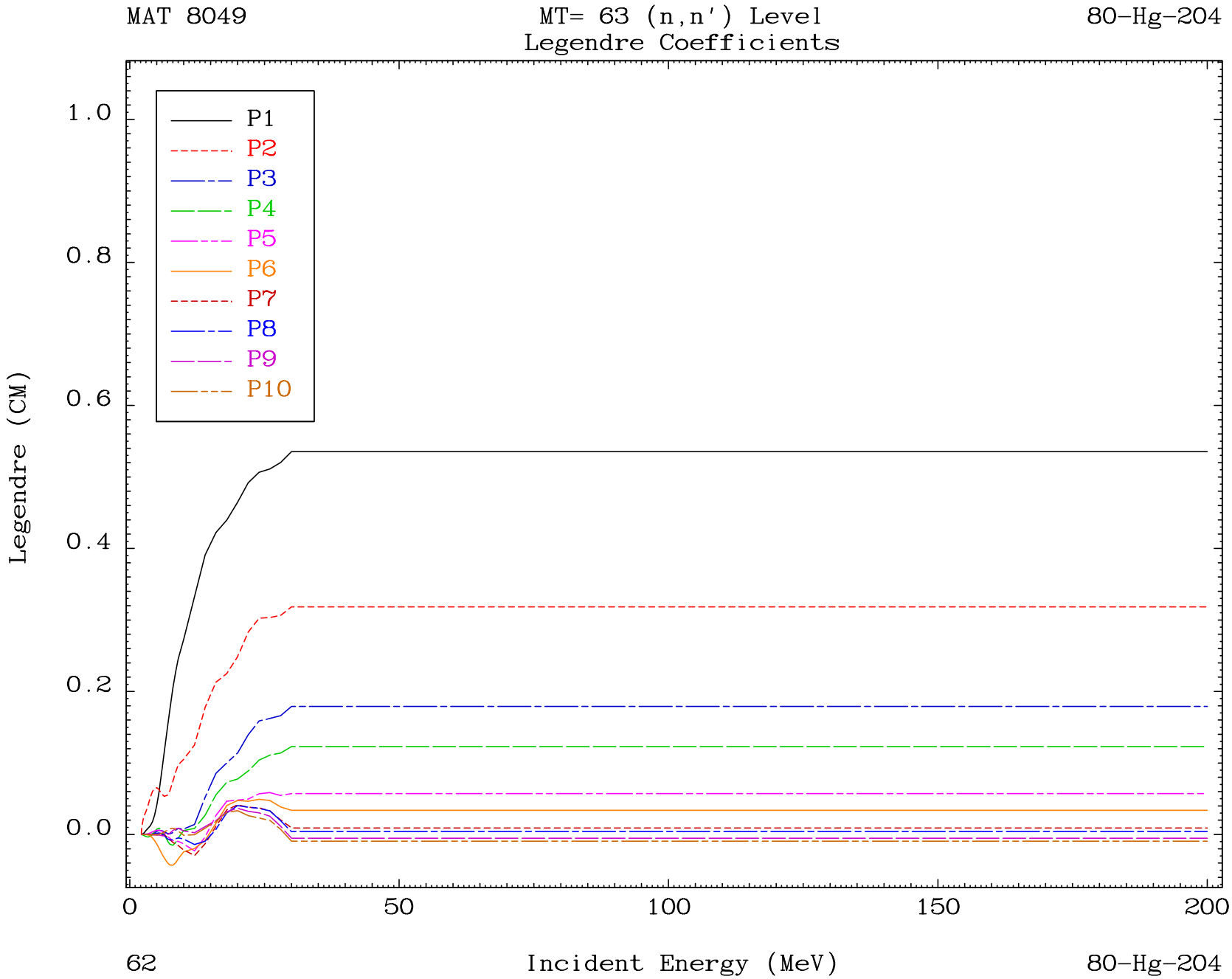

MAT 8049
MT= 61 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
3
2
1
0
Legendre (CM)
50
100
150
200
57
Incident Energy (MeV)
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28

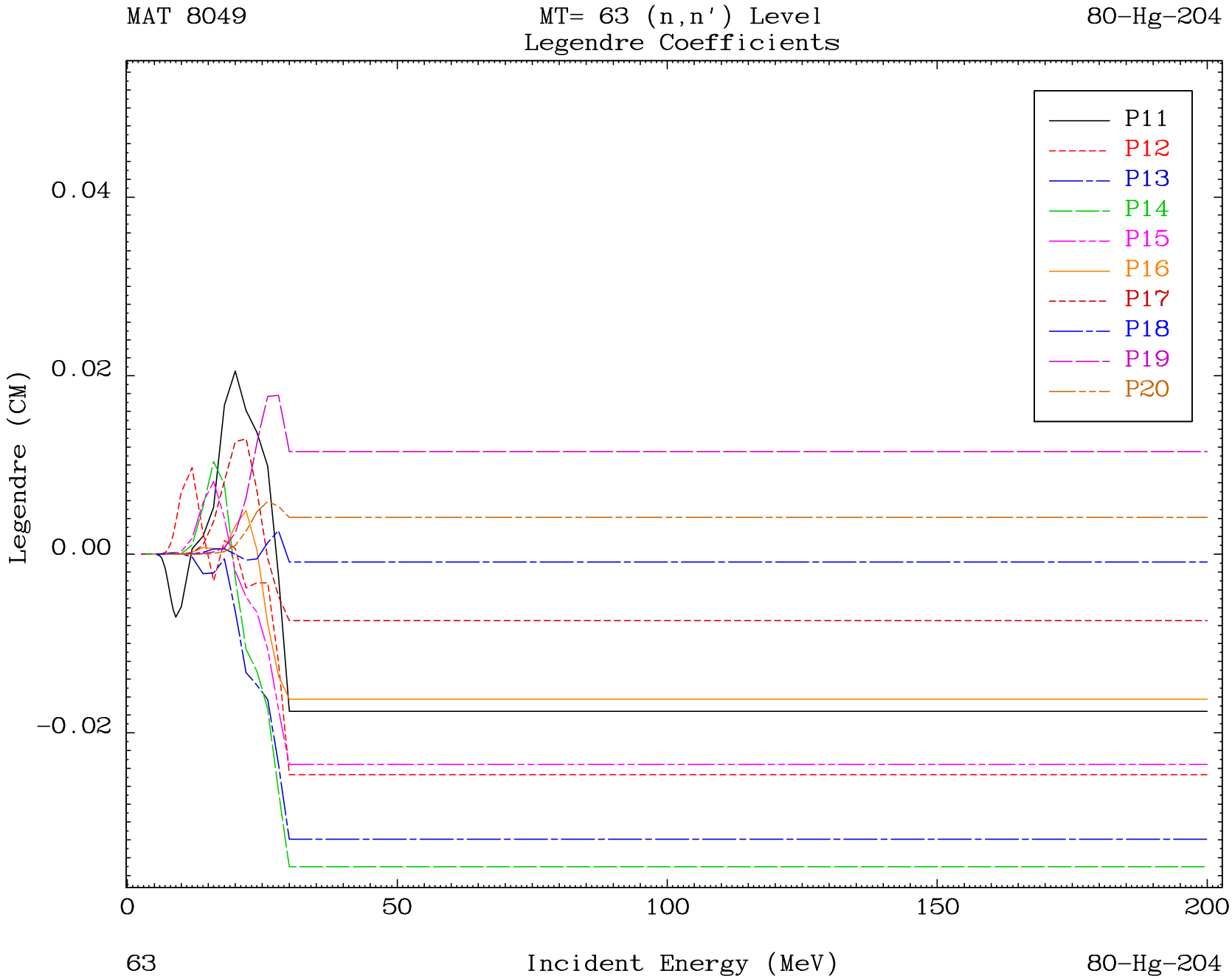

MAT 8049
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
58
Incident Energy (MeV)
80-Hg-204

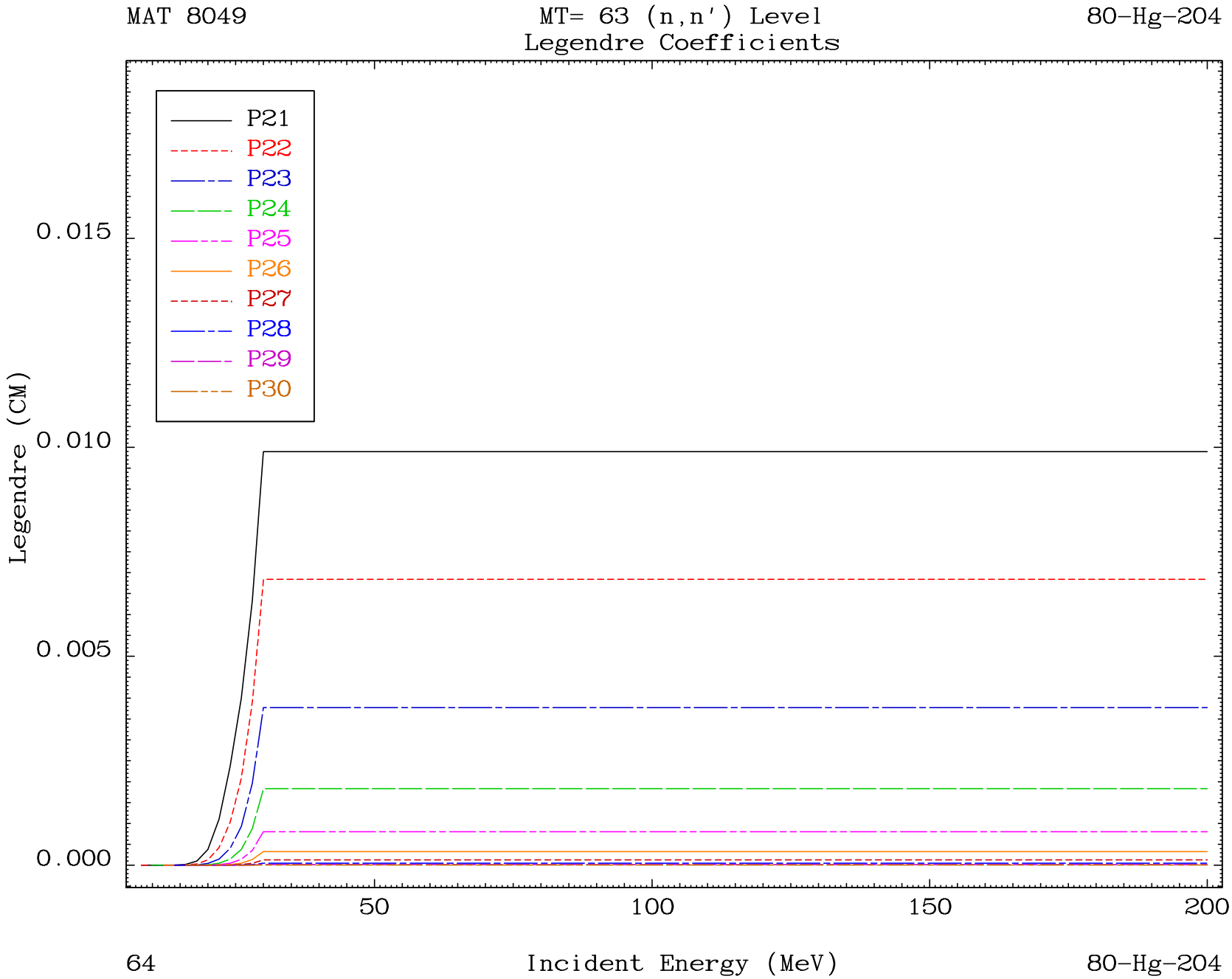

MAT 8049
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
59
Incident Energy (MeV)
80-Hg-204

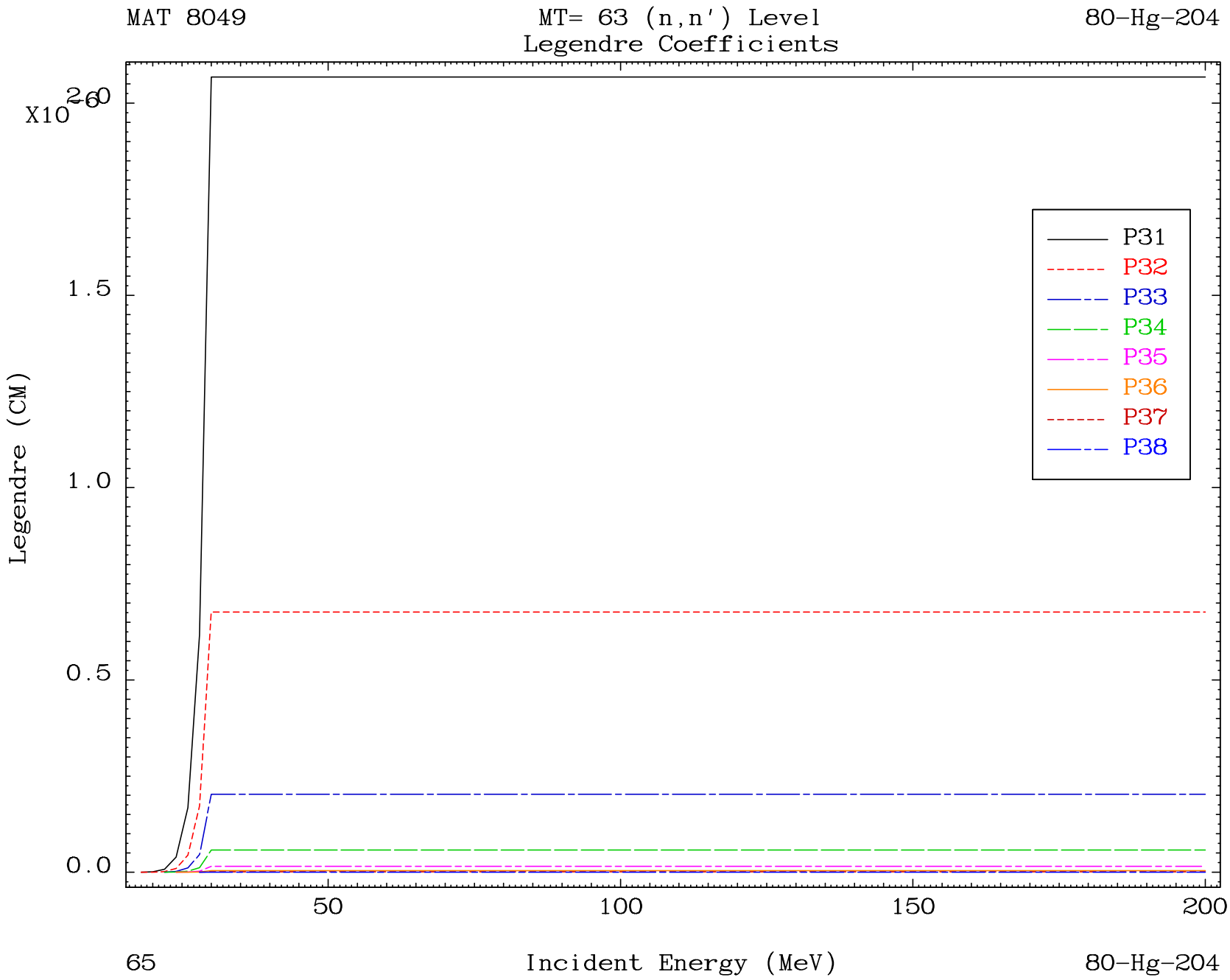

MAT 8049
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
80-Hg-204

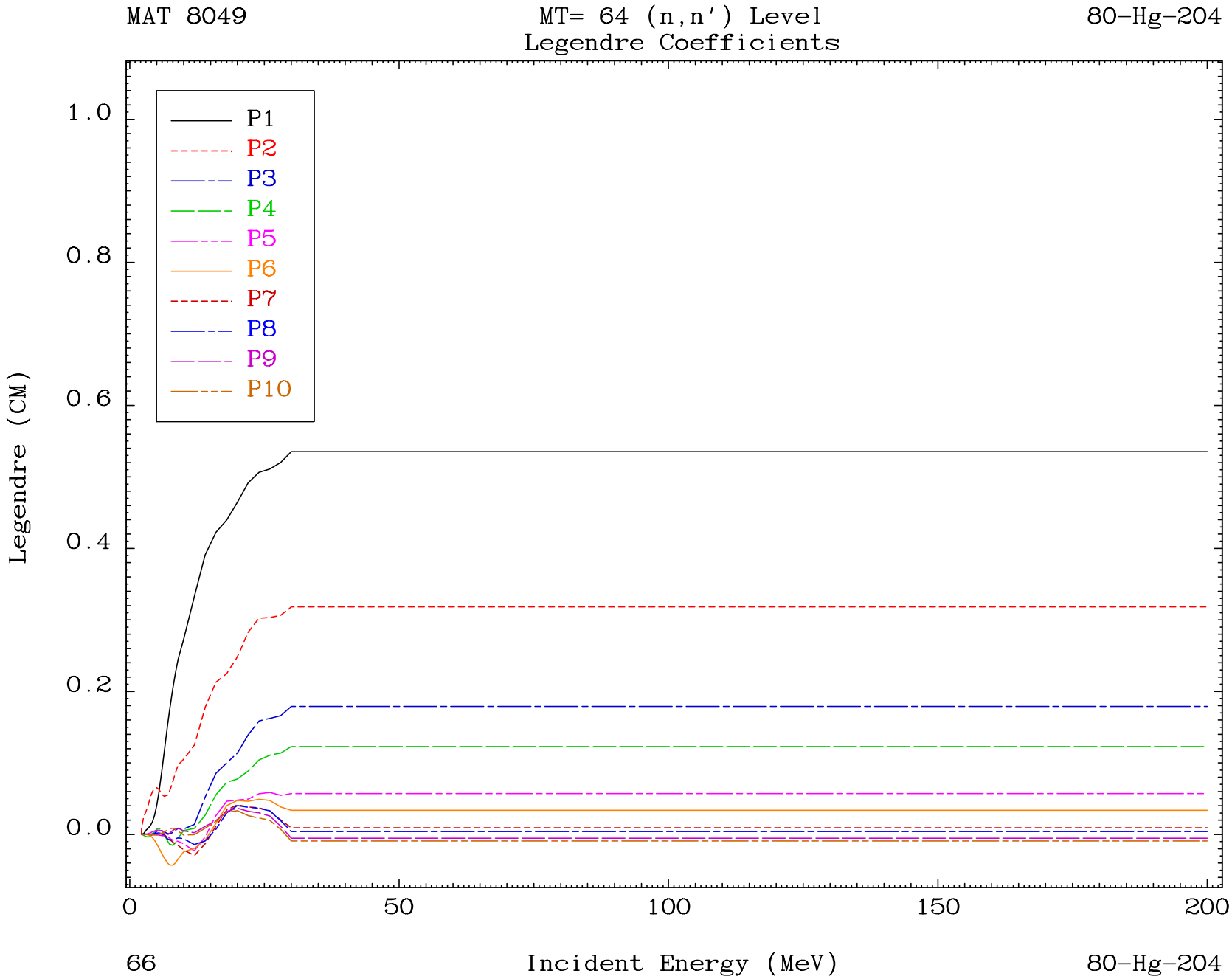

MAT 8049
MT= 62 (n,n') Level
Legendre Coefficients
80-Hg-204
X10-60
2
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
61
Incident Energy (MeV)
80-Hg-204

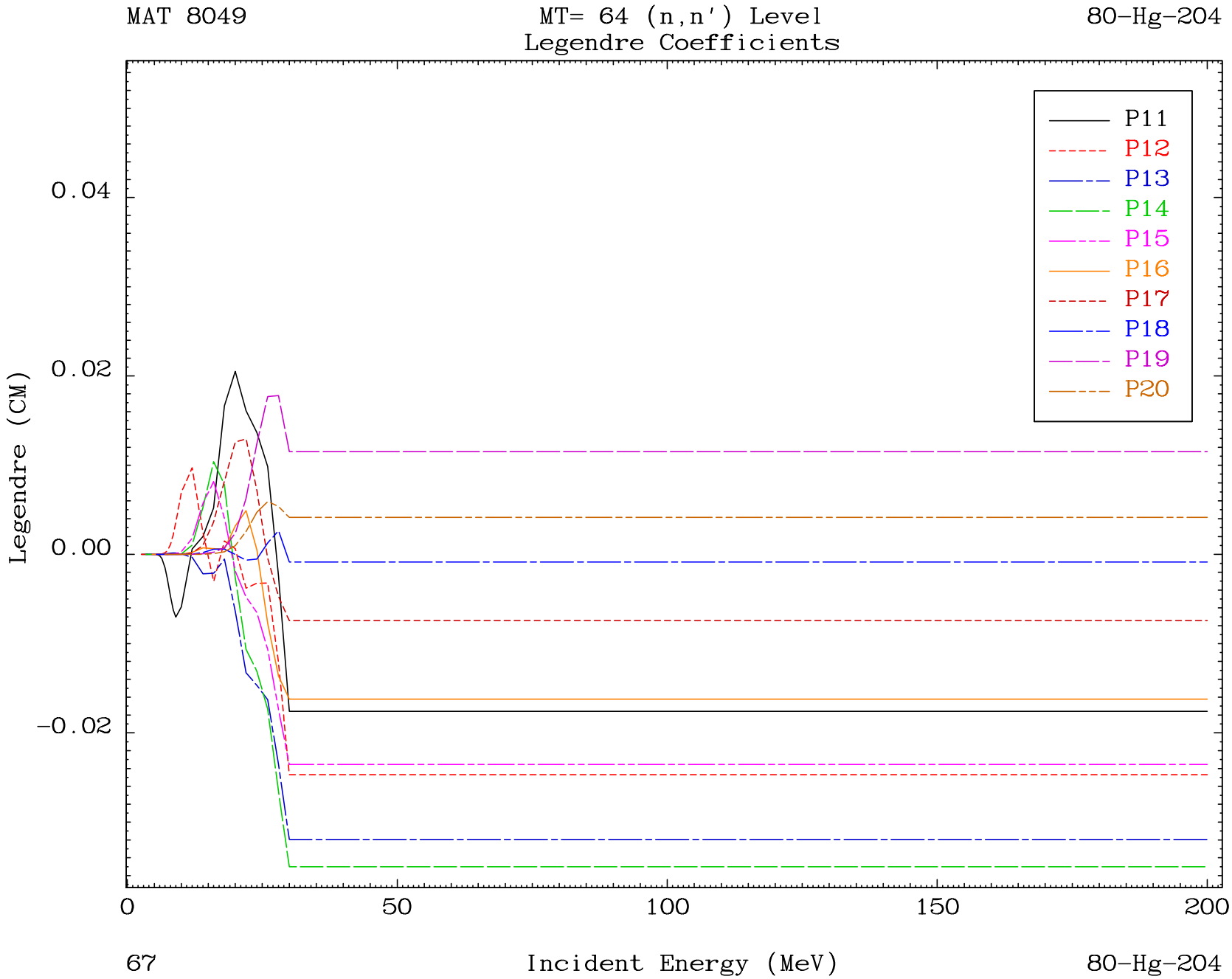

MAT 8049
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
62
Incident Energy (MeV)
80-Hg-204

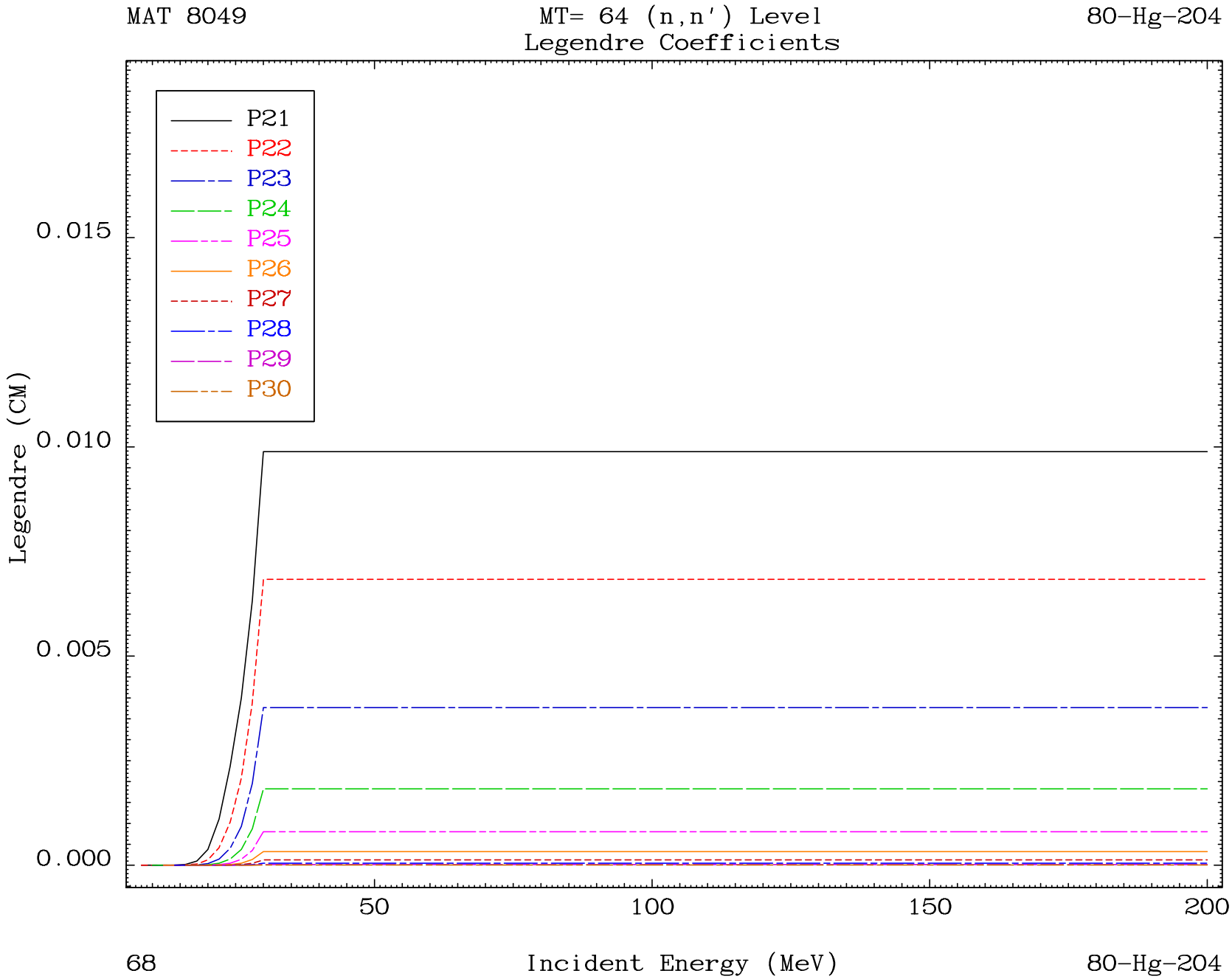

MAT 8049
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
63
Incident Energy (MeV)
80-Hg-204

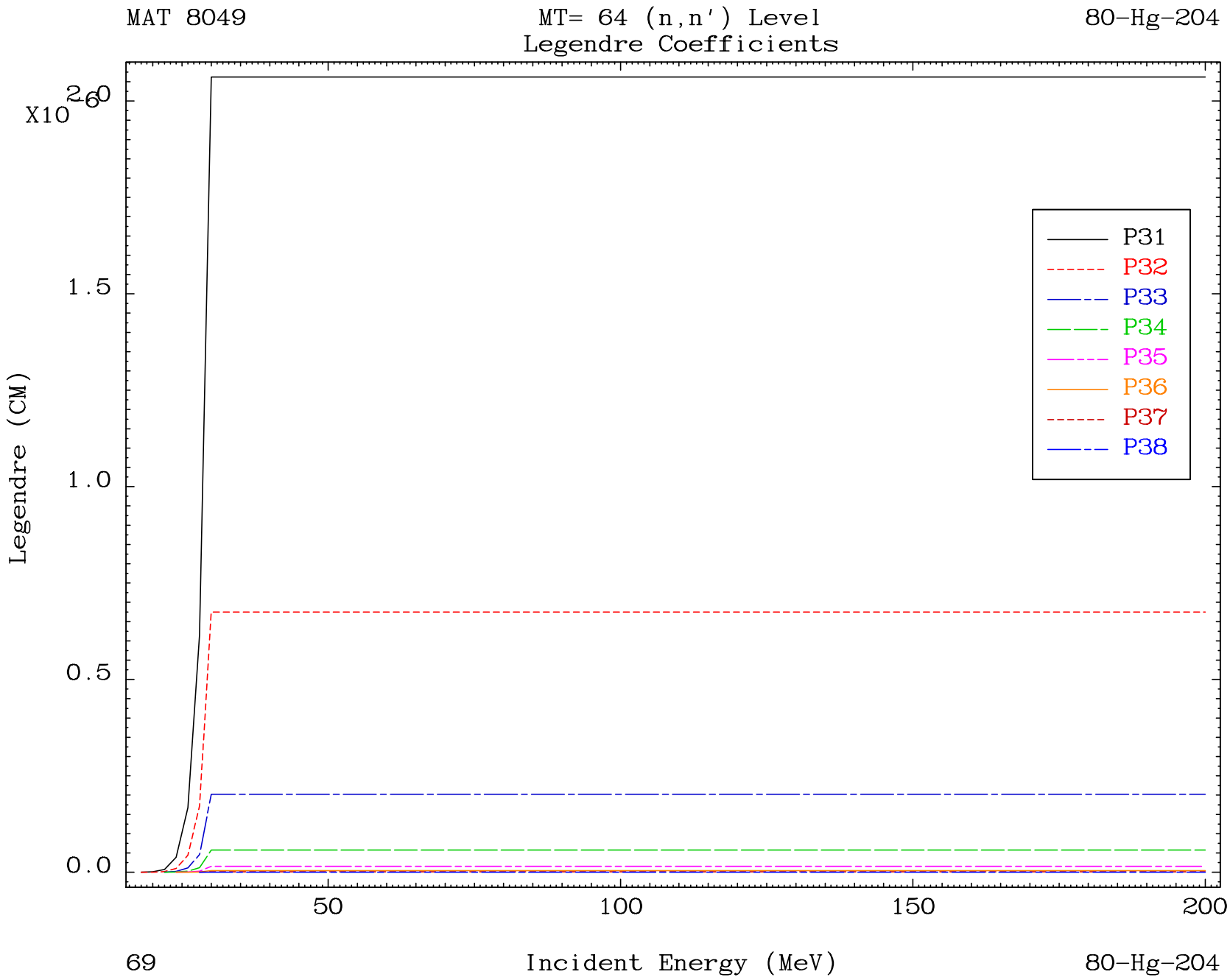

MAT 8049
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
64
Incident Energy (MeV)
80-Hg-204

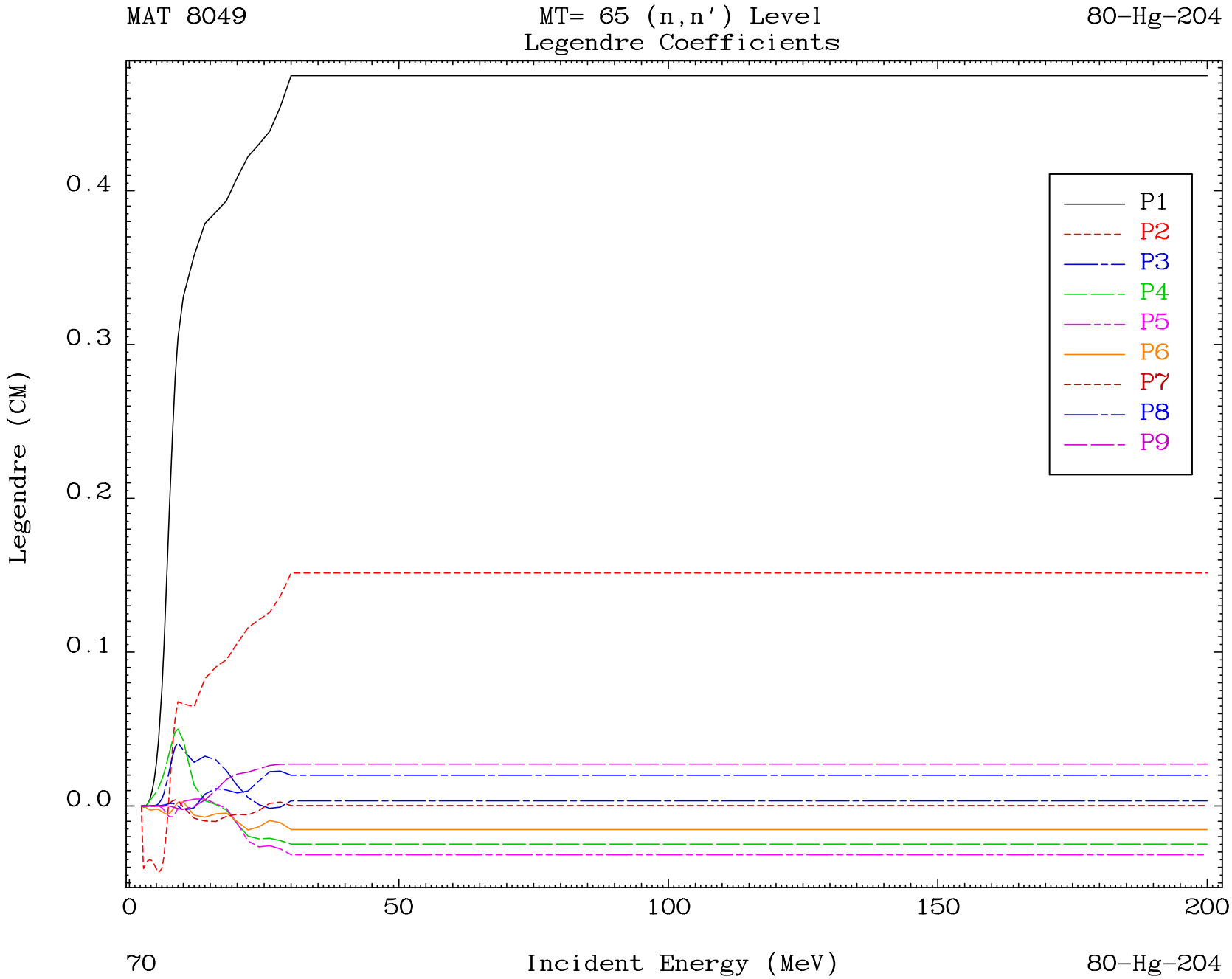

MAT 8049
MT= 63 (n,n') Level
Legendre Coefficients
80-Hg-204
X10 -0
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
65
Incident Energy (MeV)
80-Hg-204

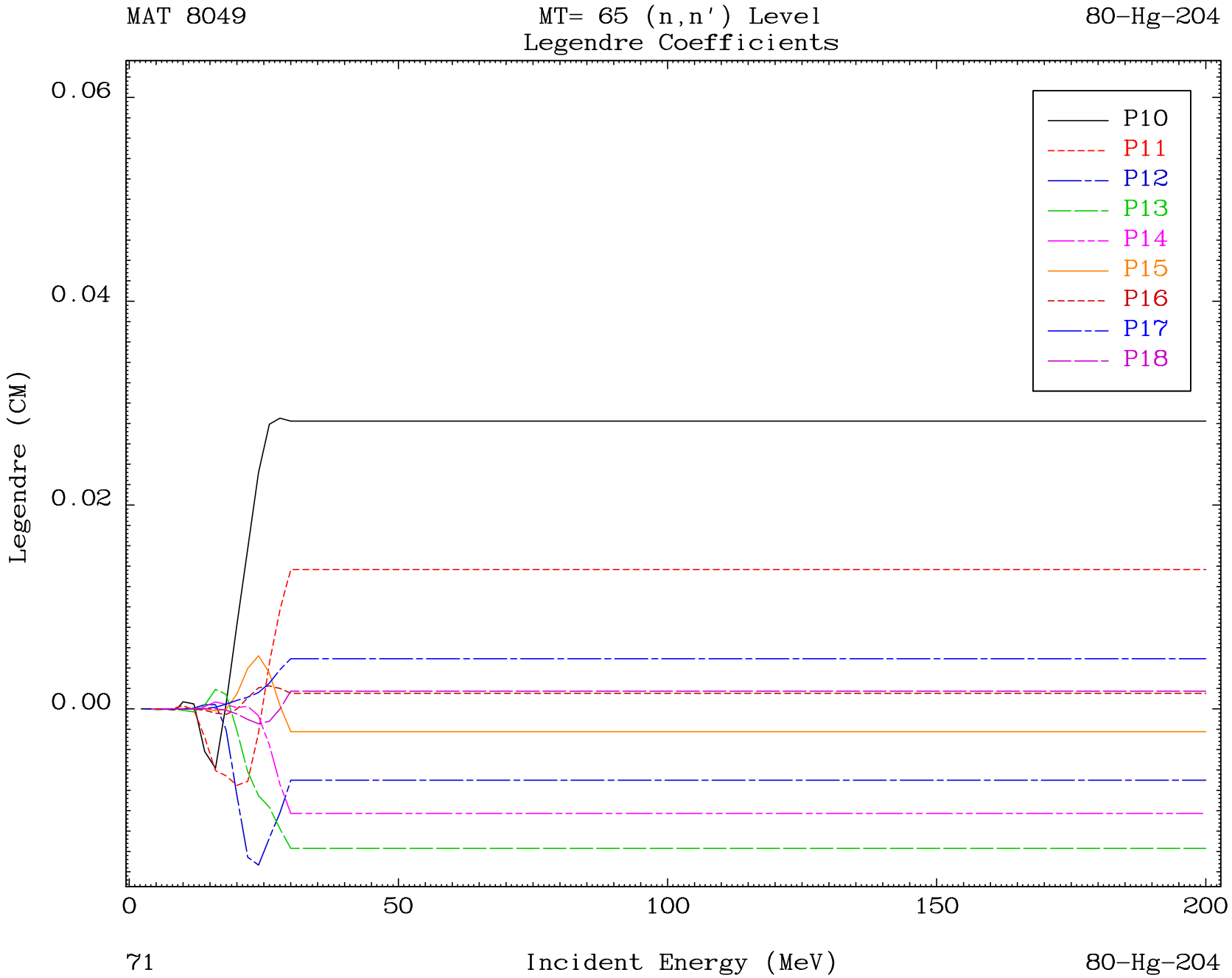

MAT 8049
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
66
Incident Energy (MeV)
80-Hg-204

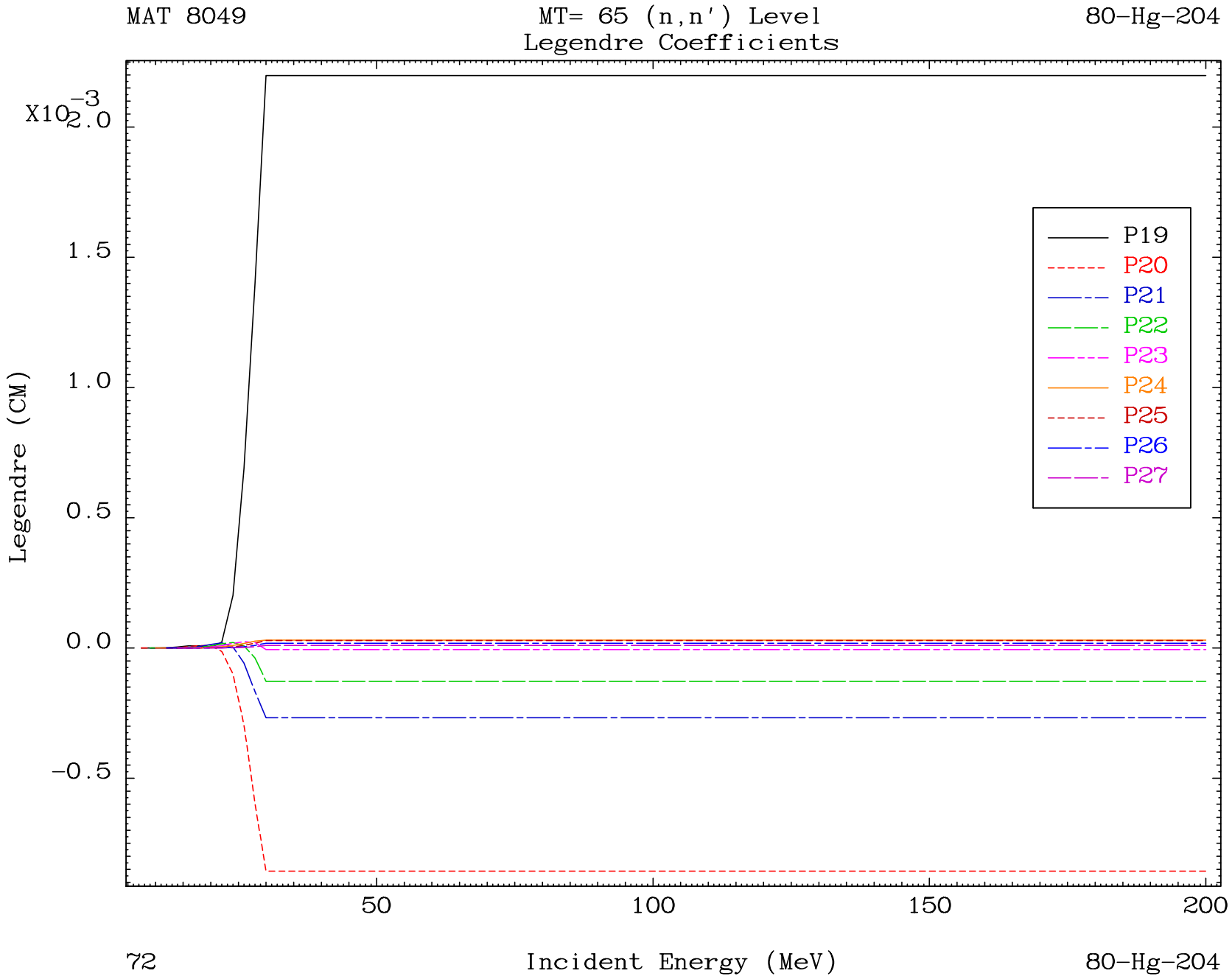

MAT 8049
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.04
0.02
0.00
-0.02
Legendre (CM)
0
50
100
150
200
67
Incident Energy (MeV)
80-Hg-204

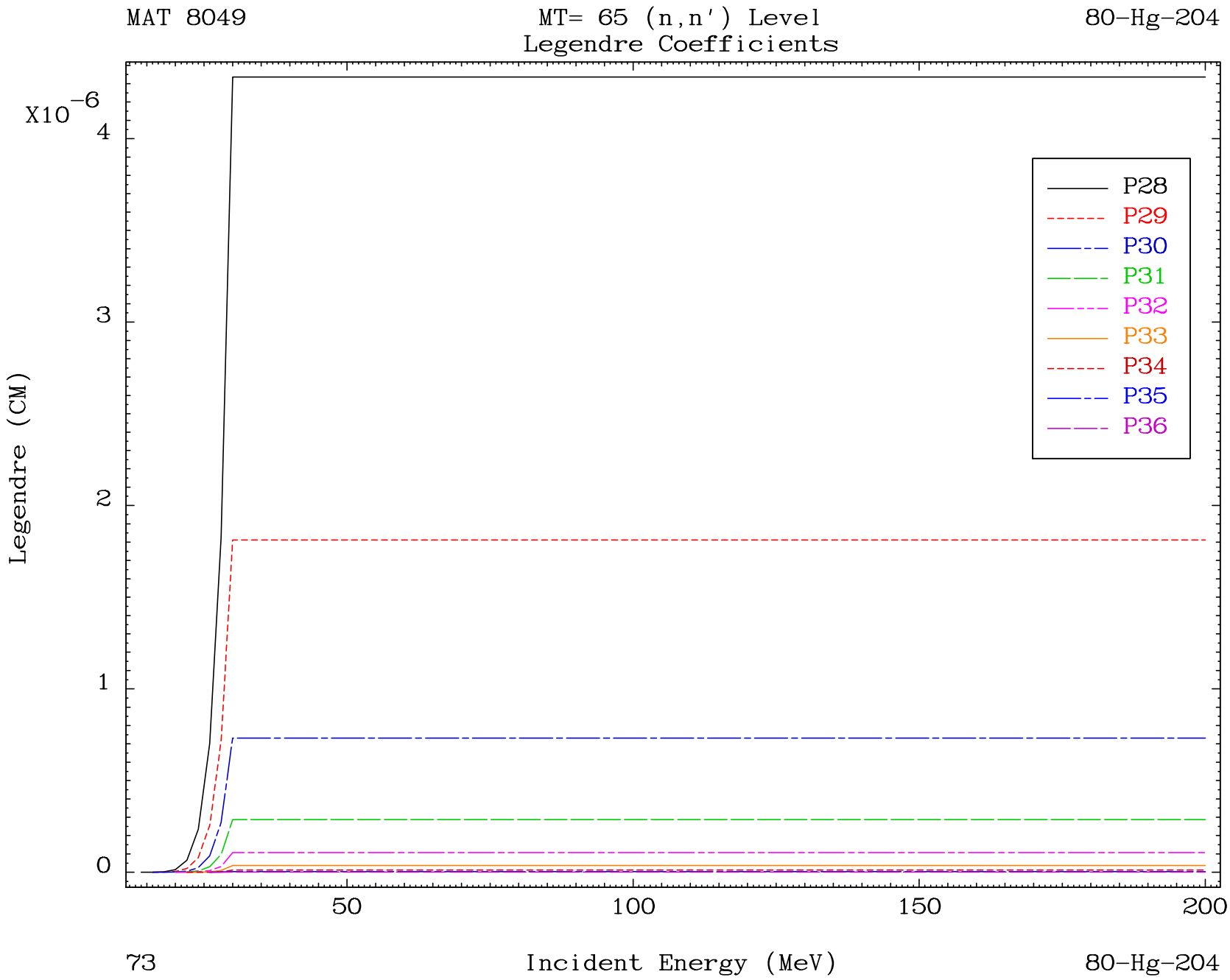

MAT 8049
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
80-Hg-204

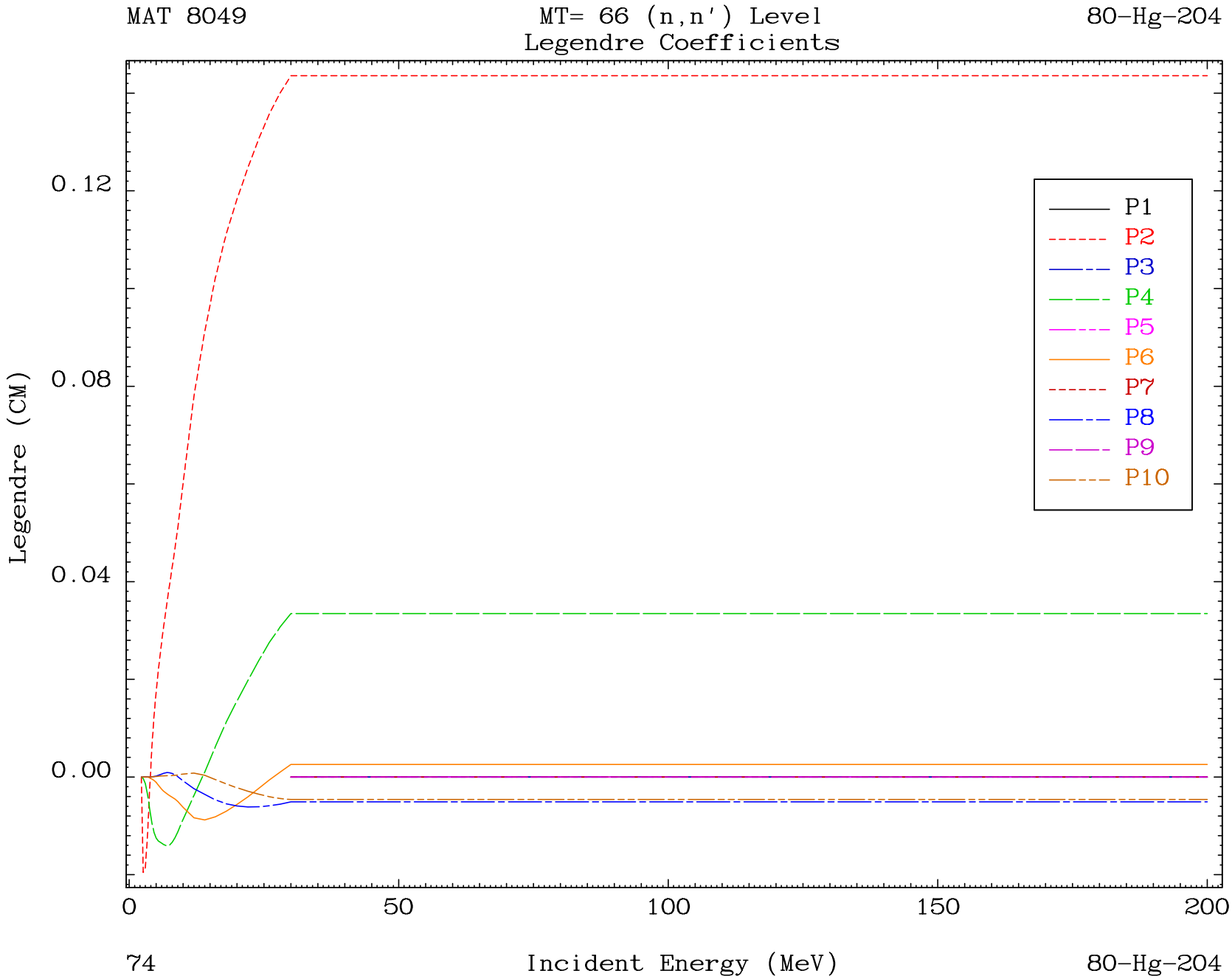

MAT 8049
MT= 64 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^0
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P31
P32
P33
P34
P35
P36
P37
P38
50
100
150
200
69
Incident Energy (MeV)
80-Hg-204

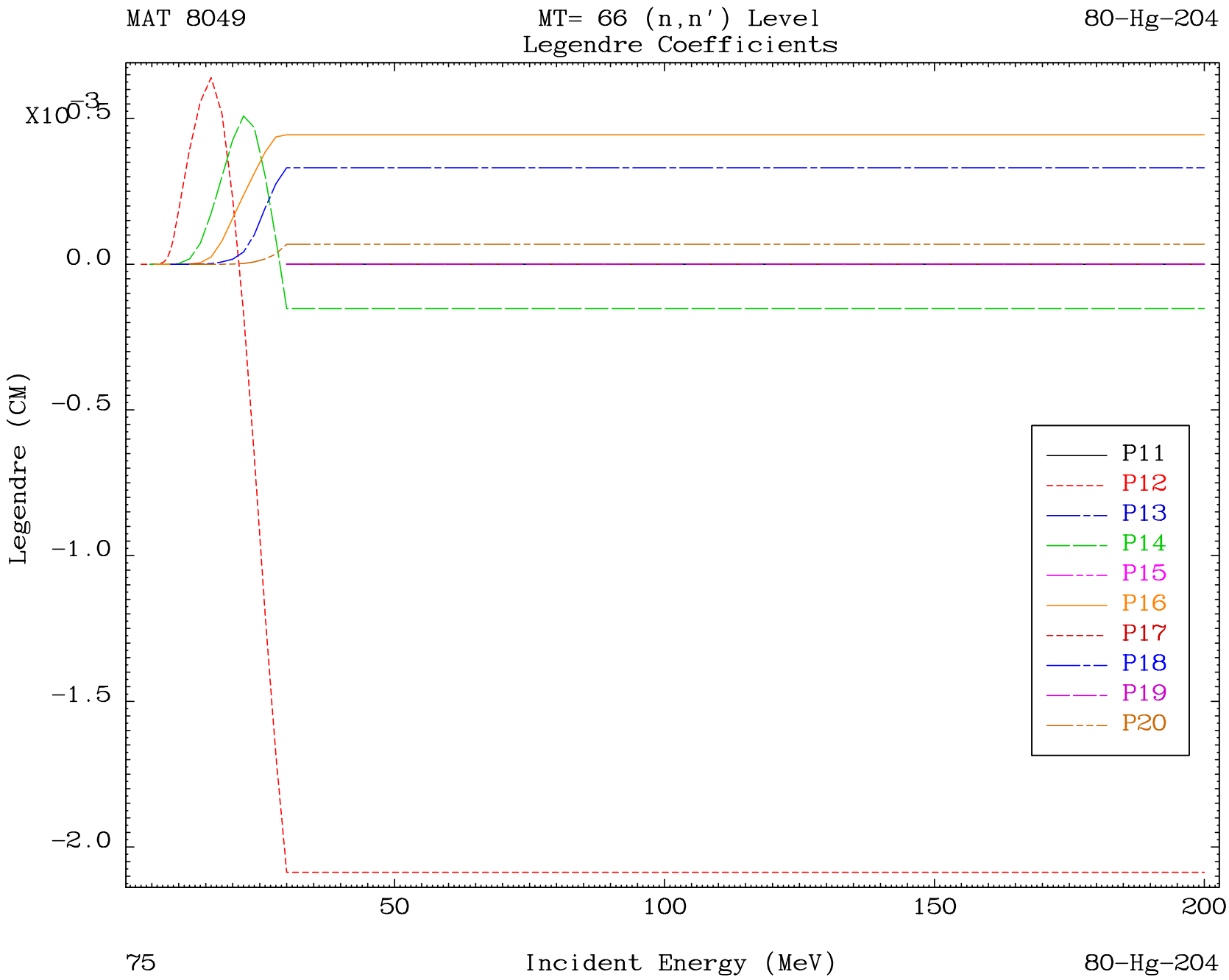

MAT 8049
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
70
Incident Energy (MeV)
80-Hg-204

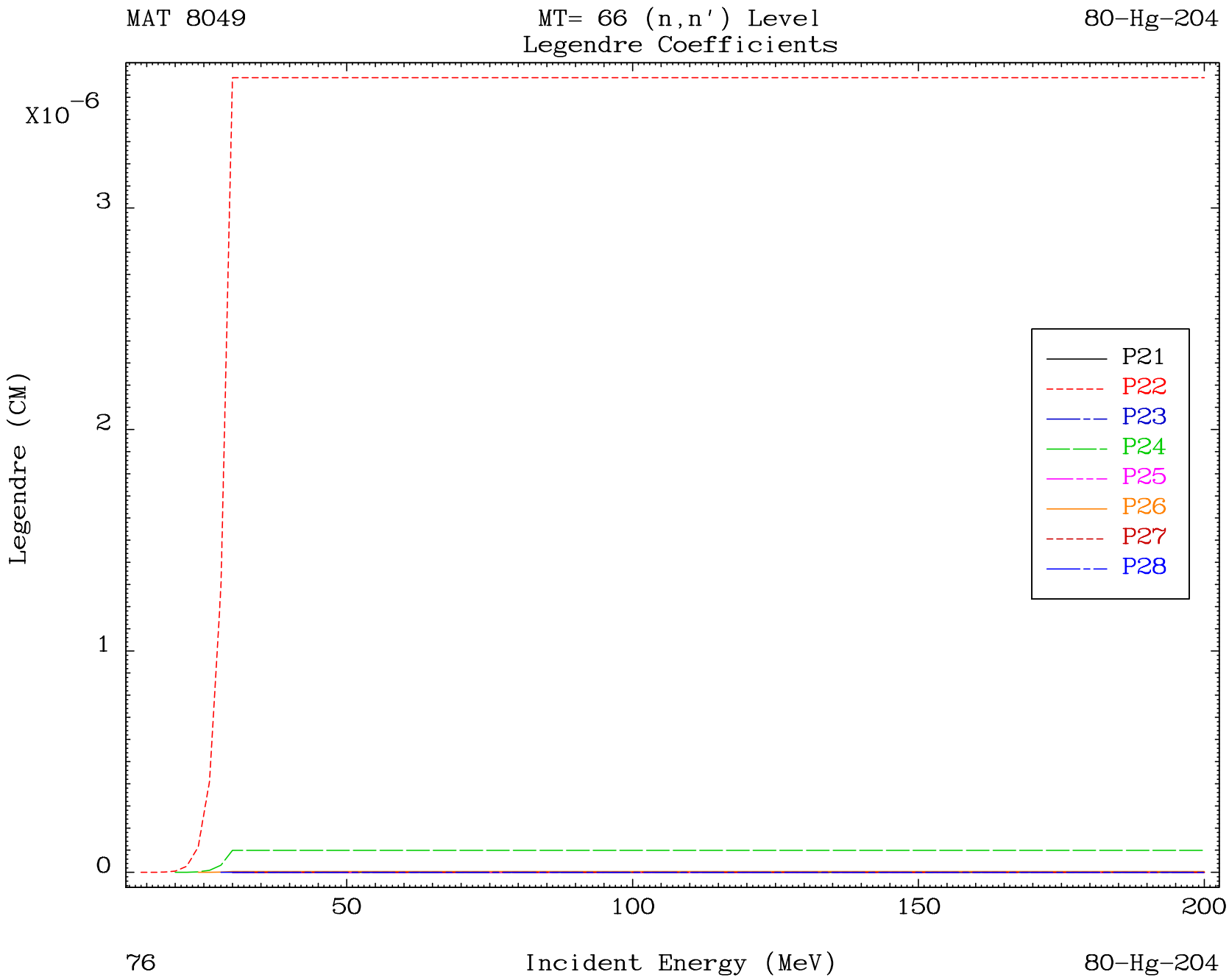

MAT 8049
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-204
0.06
0.04
0.02
0.00
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
71
Incident Energy (MeV)
80-Hg-204

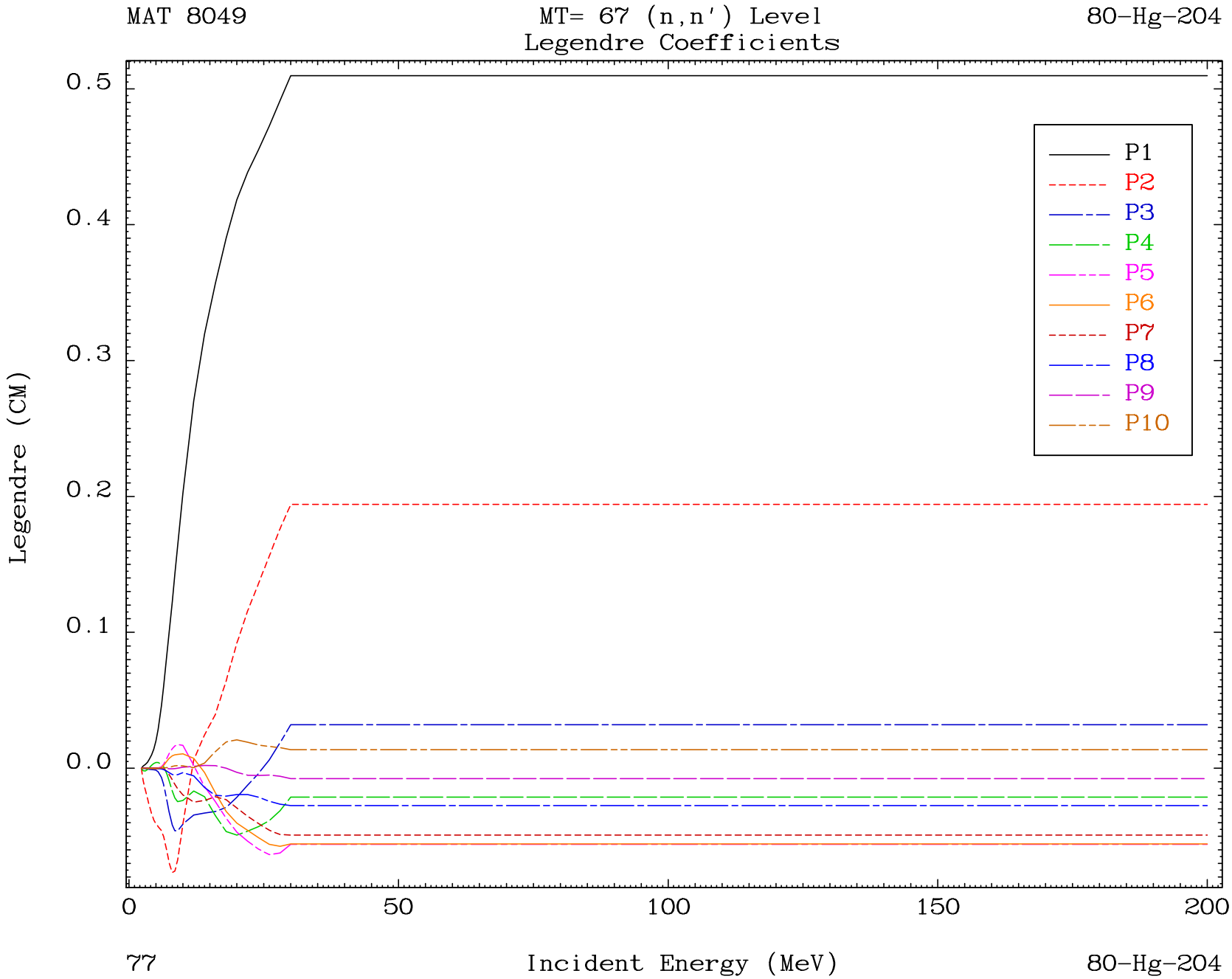

MAT 8049
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-204
X10-3
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
72
Incident Energy (MeV)
80-Hg-204

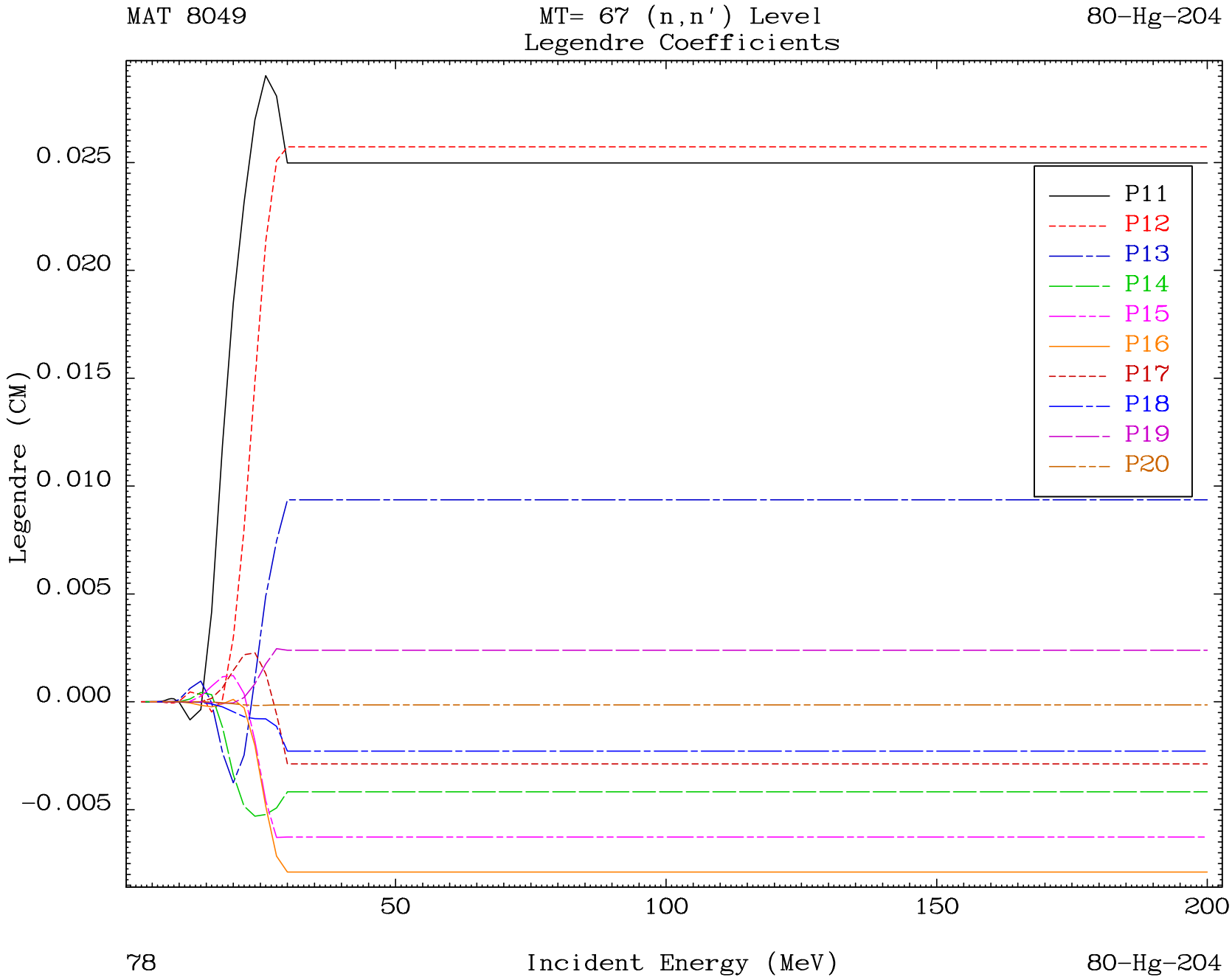

MAT 8049
MT= 65 (n,n') Level
Legendre Coefficients
80-Hg-204
X10 -6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
73
Incident Energy (MeV)
80-Hg-204

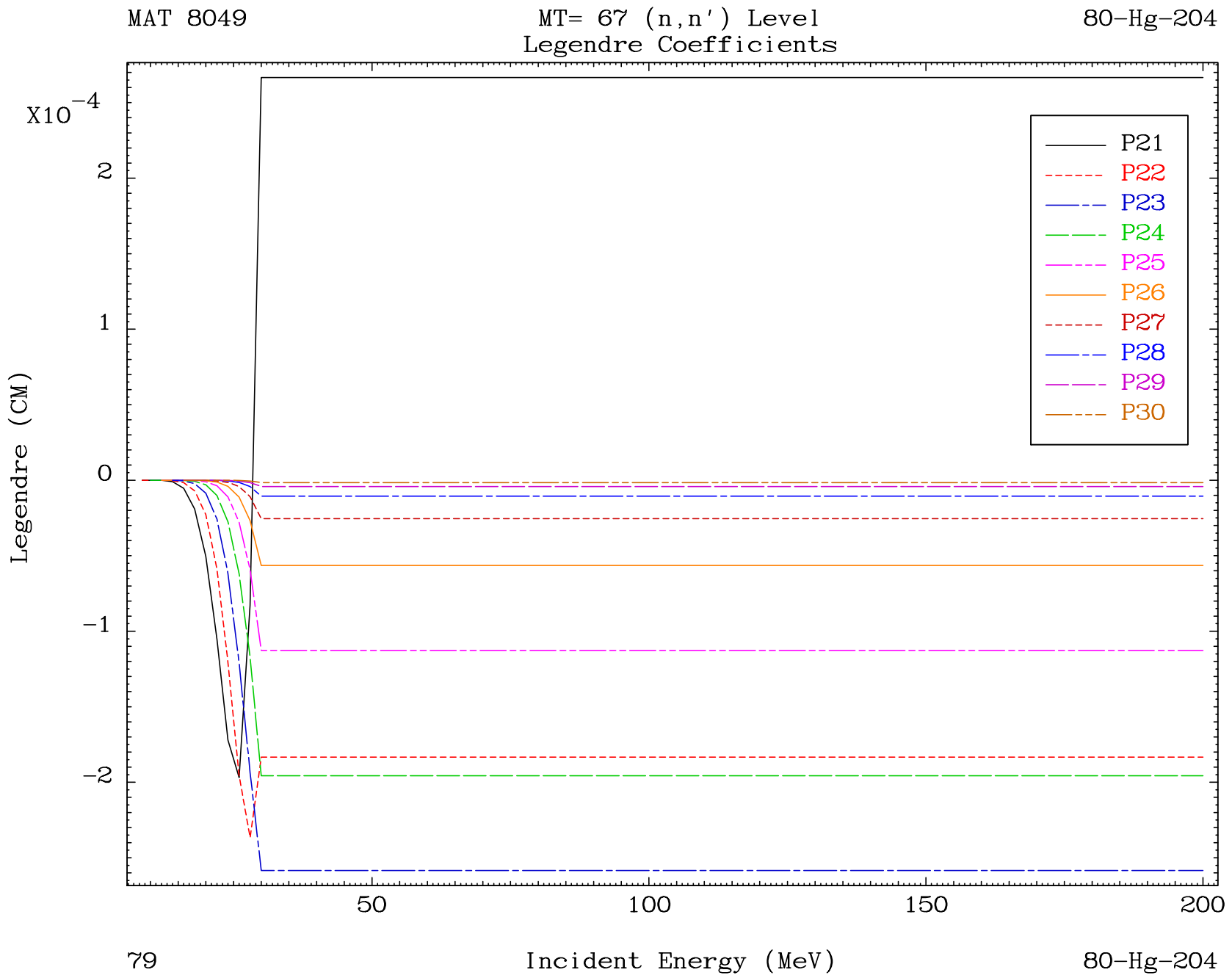

MAT 8049
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-204
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
50
100
150
200
74
Incident Energy (MeV)
80-Hg-204

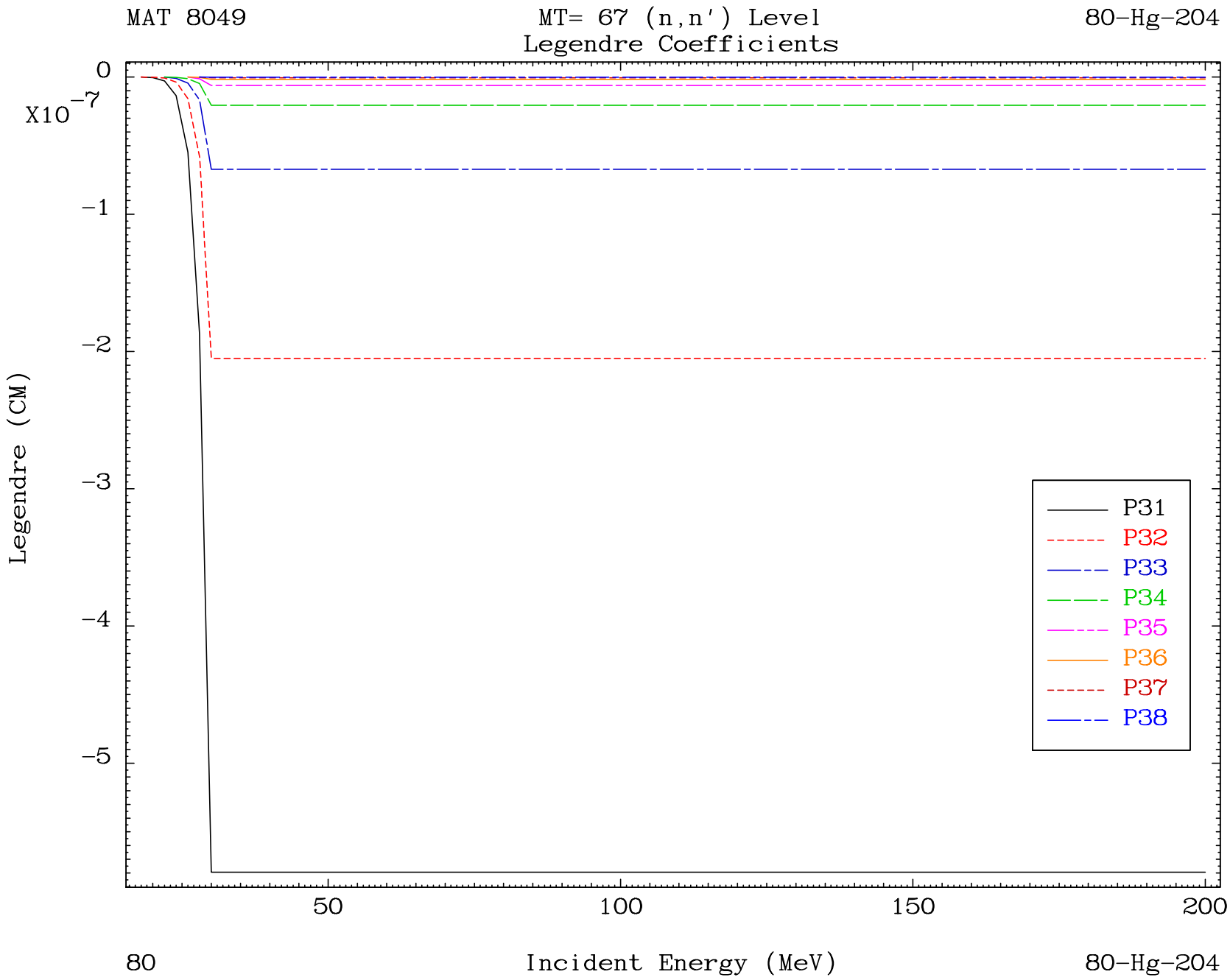

MAT 8049
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-204
X10-3
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

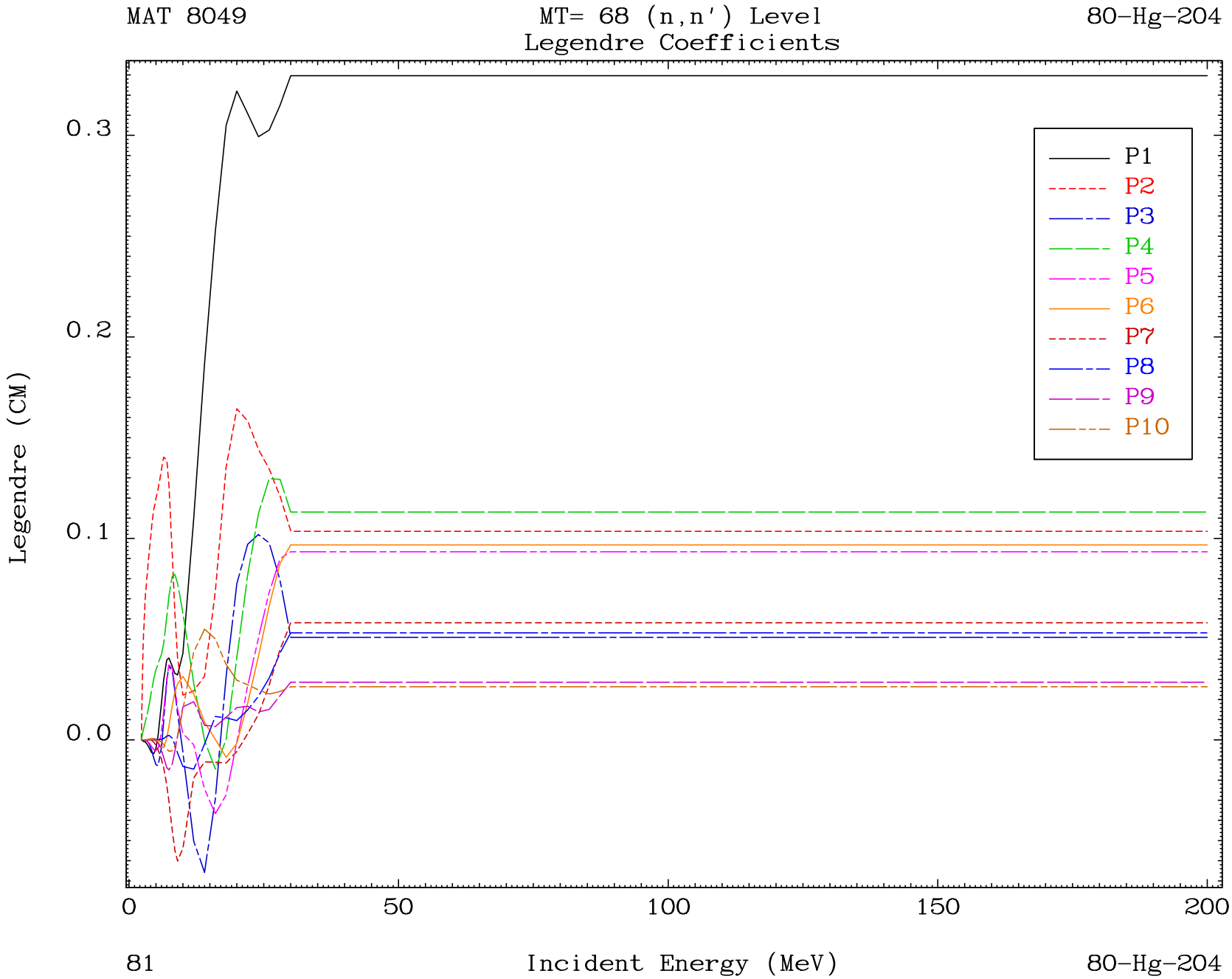

MAT 8049
MT= 66 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-6
3
2
1
0
Legendre (CM)
50
100
150
200
76
Incident Energy (MeV)
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28

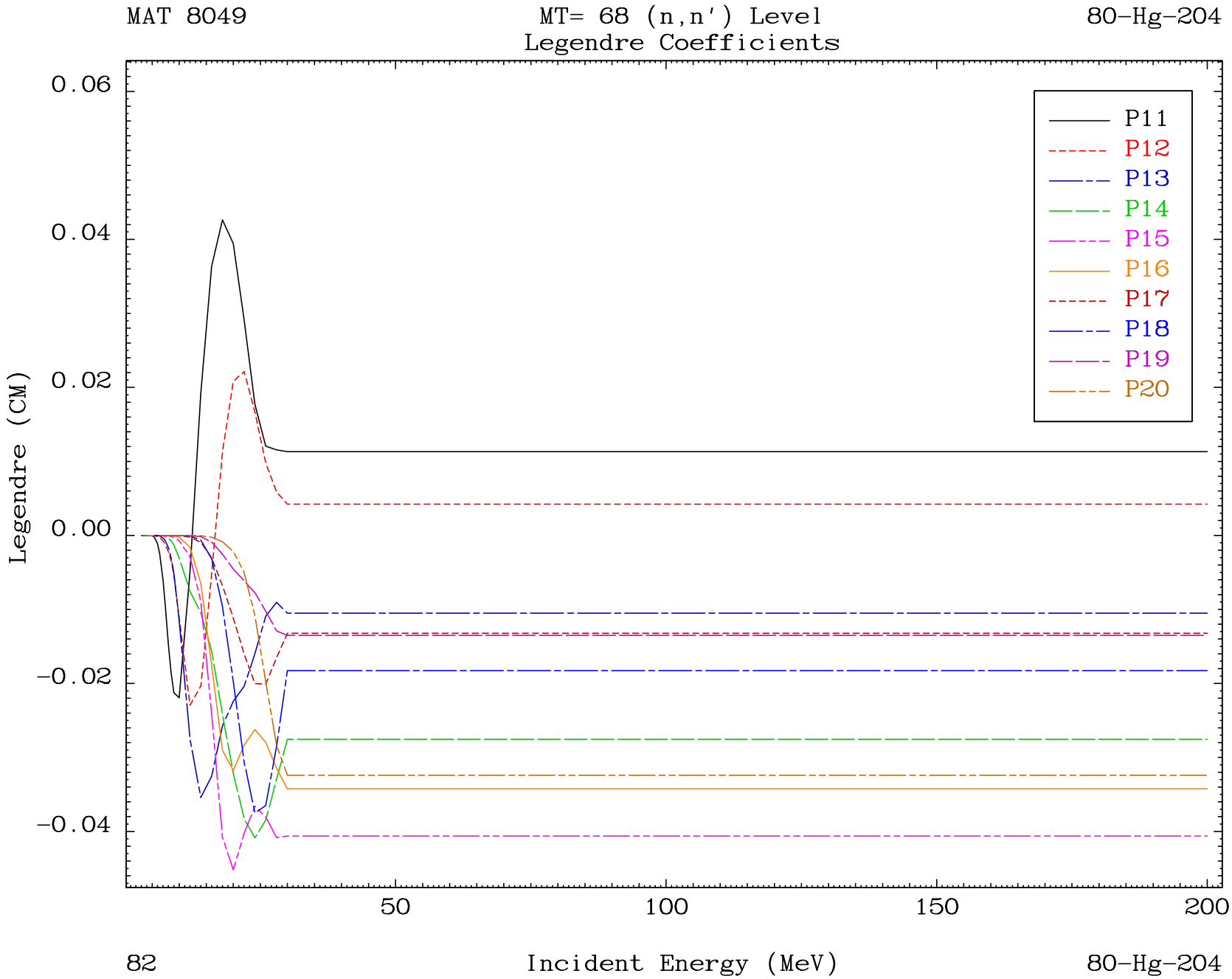

MAT 8049
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
77
Incident Energy (MeV)
80-Hg-204

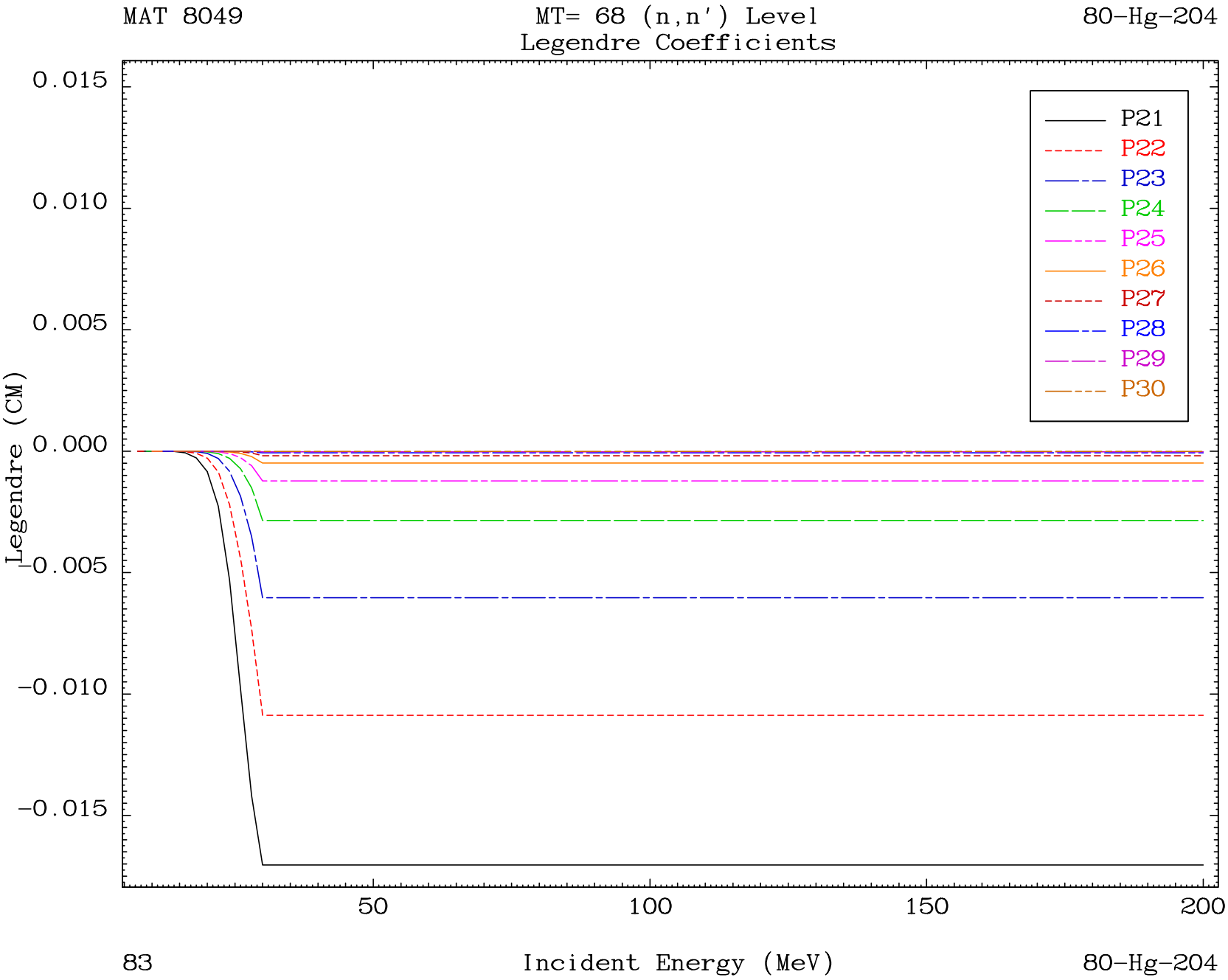

MAT 8049
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
50
100
150
200
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
78
Incident Energy (MeV)
80-Hg-204

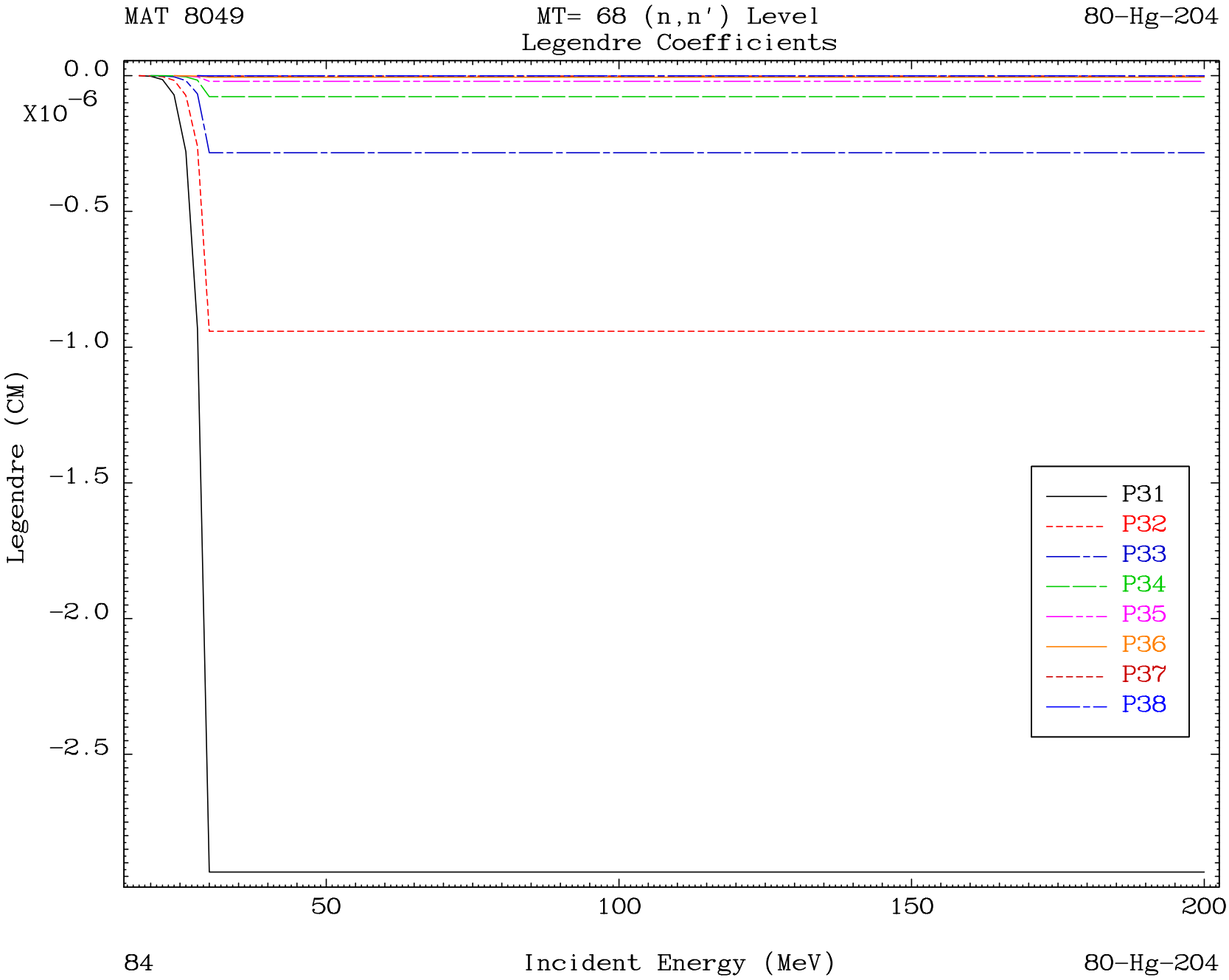

MAT 8049
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-4
2
1
0
-1
-2
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
79
Incident Energy (MeV)
80-Hg-204

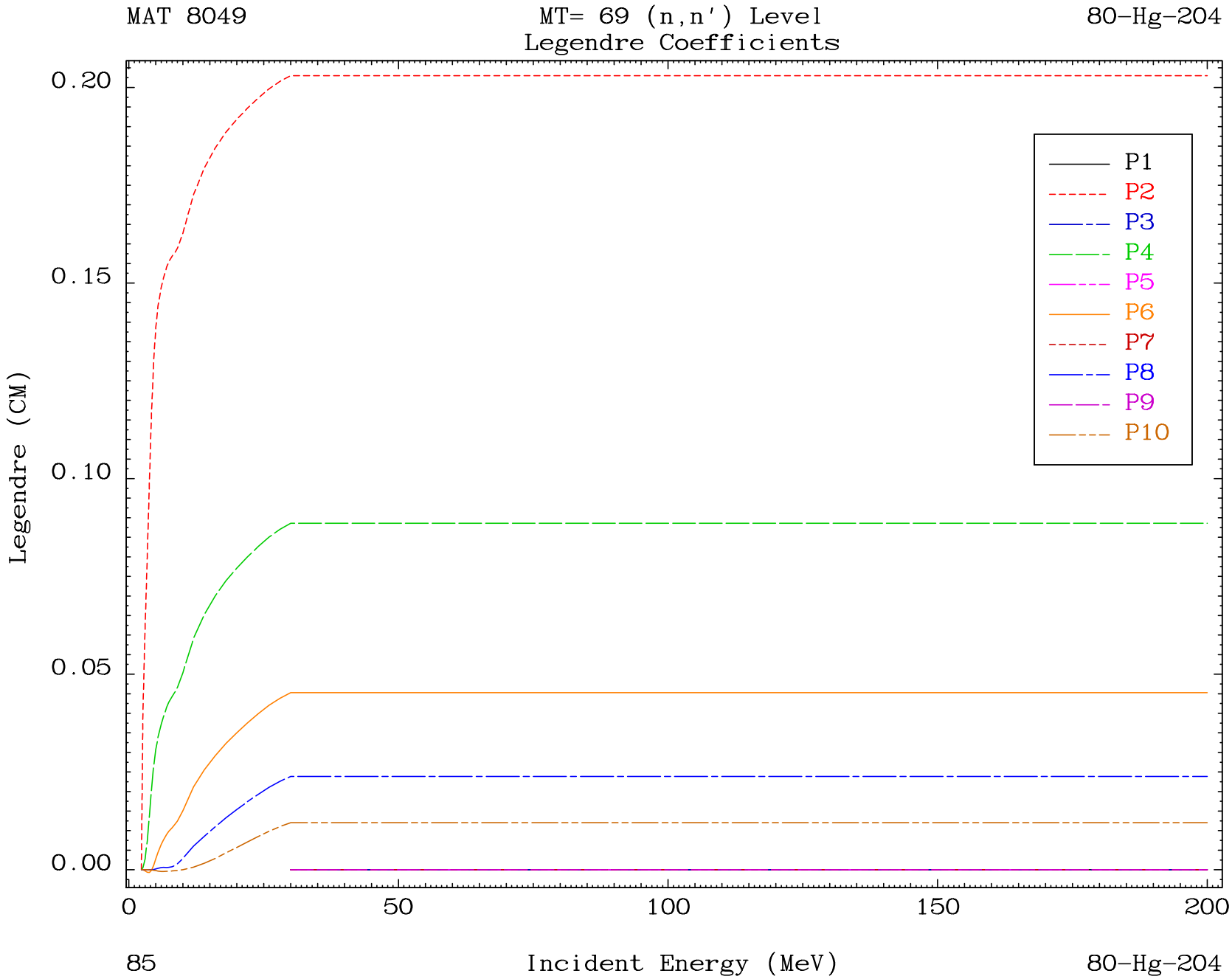

MAT 8049
MT= 67 (n,n') Level
Legendre Coefficients
80-Hg-204
X10^-7
0
-1
-2
-3
-4
-5
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
80-Hg-204
P31
P32
P33
P34
P35
P36
P37
P38

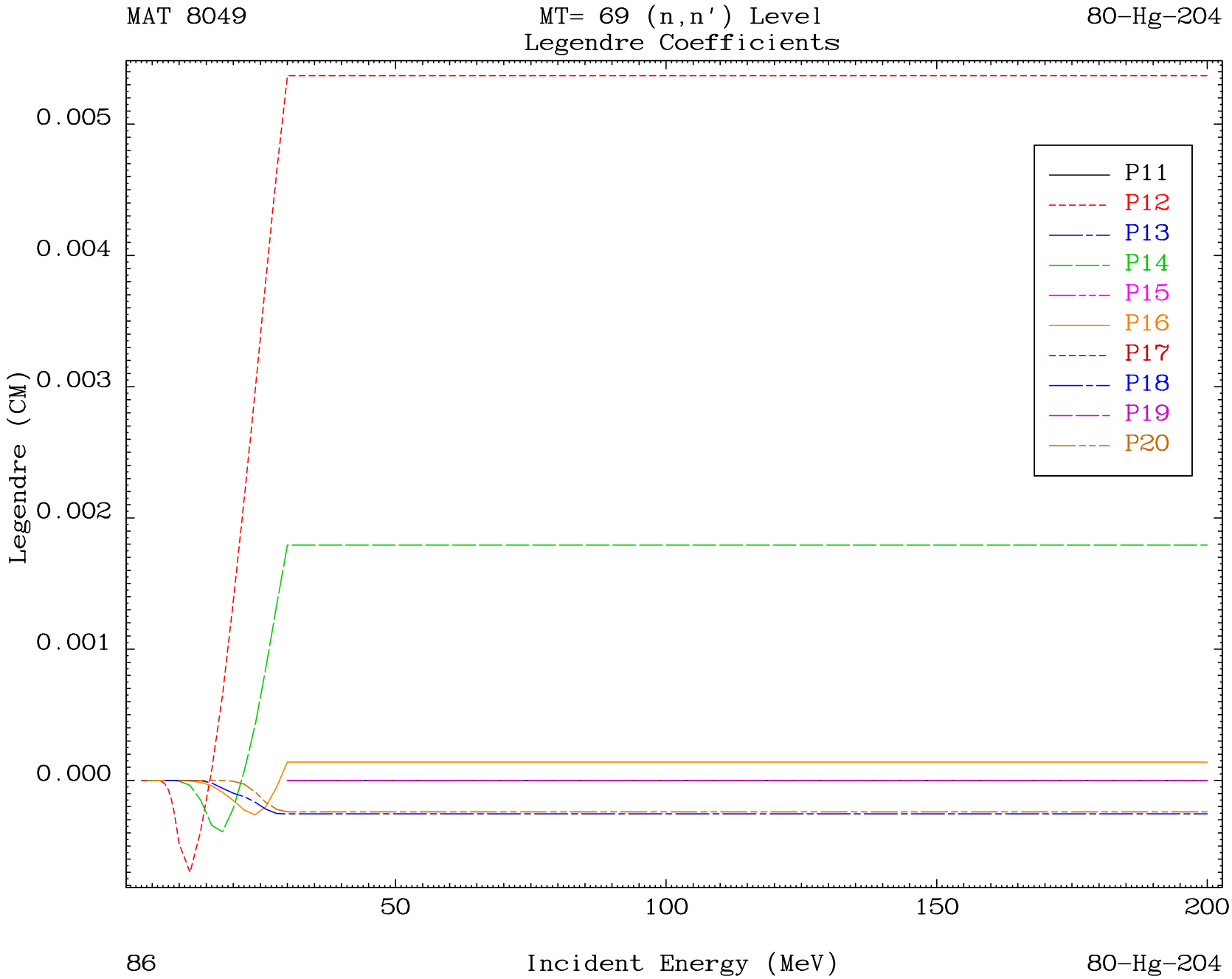

MAT 8049
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-204
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
81
Incident Energy (MeV)
80-Hg-204

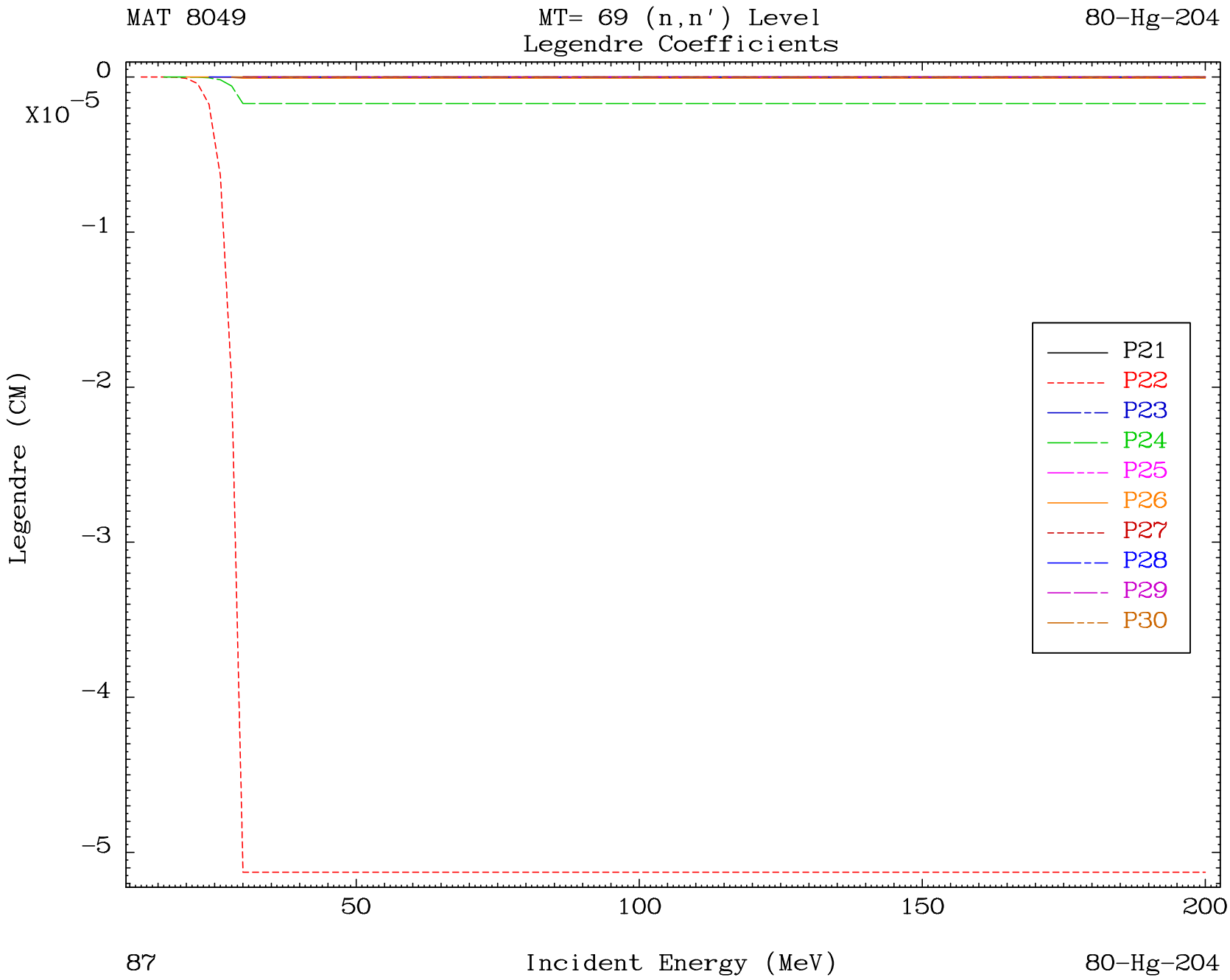

MAT 8049
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-204
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
50
100
150
200
82
Incident Energy (MeV)
80-Hg-204
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

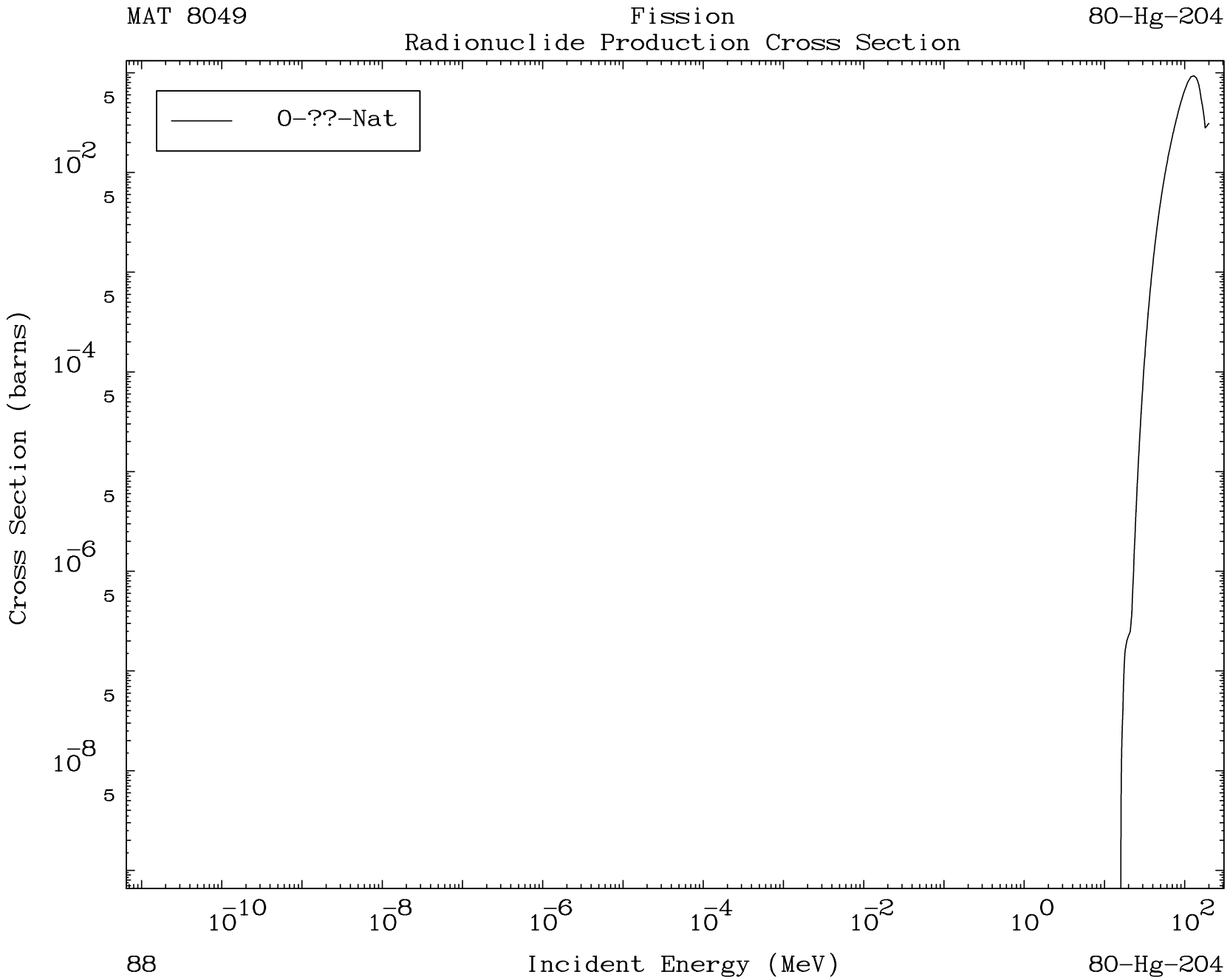

MAT 8049
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-204
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.015
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
50
100
150
200
83
Incident Energy (MeV)
80-Hg-204

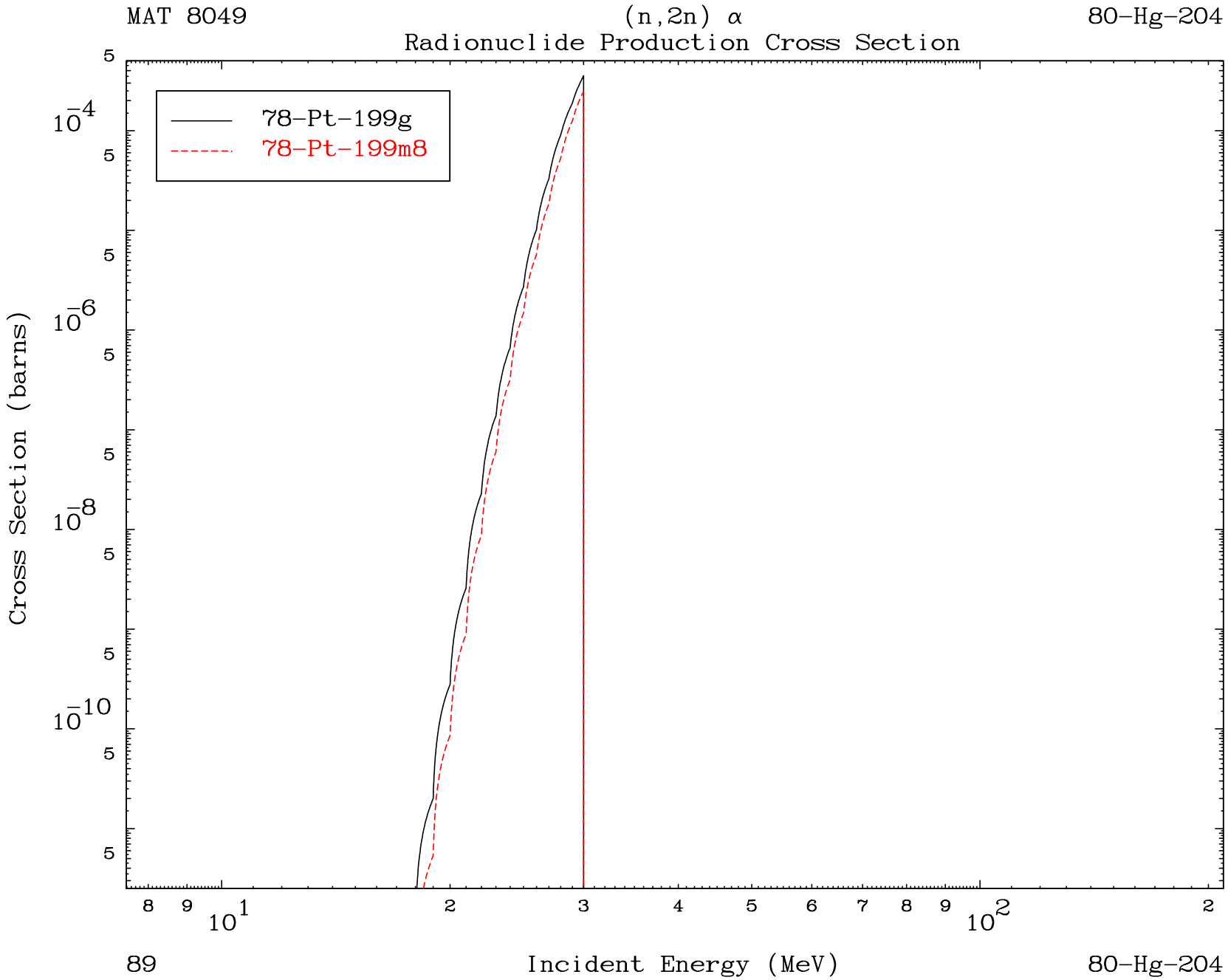

MAT 8049
MT= 68 (n,n') Level
Legendre Coefficients
80-Hg-204
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
50
100
150
200
84
Incident Energy (MeV)
80-Hg-204
P31
P32
P33
P34
P35
P36
P37
P38

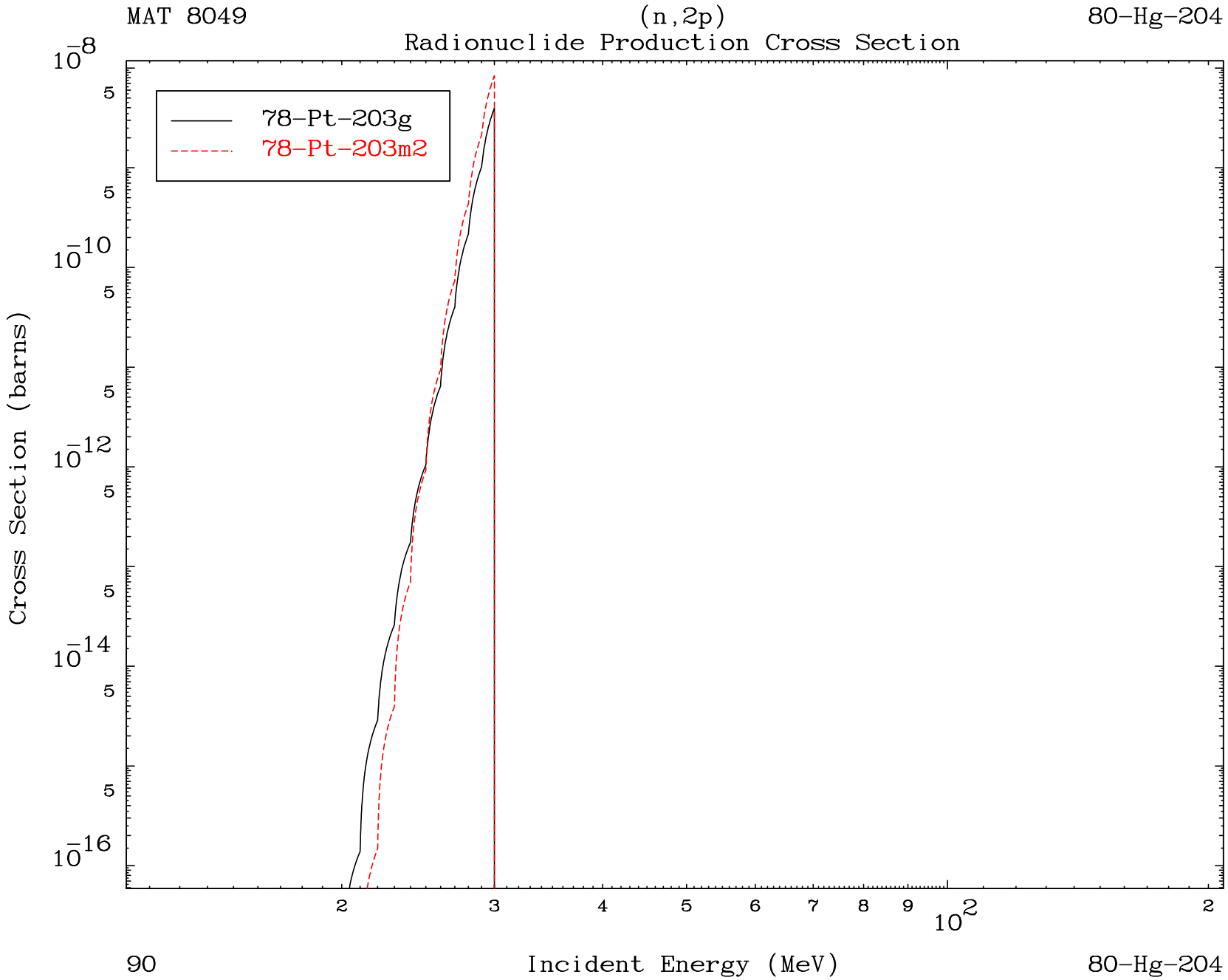

MAT 8049
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-204
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
0
50
100
150
200
85
Incident Energy (MeV)
80-Hg-204
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10


MAT 8049
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-204
0.005
0.004
0.003
0.002
0.001
0.000
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
50
100
150
200
86
Incident Energy (MeV)
80-Hg-204


MAT 8049
MT= 69 (n,n') Level
Legendre Coefficients
80-Hg-204
X10 −5
0
−1
−2
−3
−4
−5
Legendre (CM)
50
100
150
200
87
Incident Energy (MeV)
80-Hg-204
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30


MAT 8049
Fission
80-Hg-204
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
88
80-Hg-204


MAT 8049
(n,2n) α
80-Hg-204
Radionuclide Production Cross Section
78-Pt-199g
78-Pt-199m8
Cross Section (barns)
Incident Energy (MeV)
89
80-Hg-204


MAT 8049
(n,2p)
80-Hg-204
Radionuclide Production Cross Section
78-Pt-203g
78-Pt-203m2
Cross Section (barns)
Incident Energy (MeV)
90
80-Hg-204